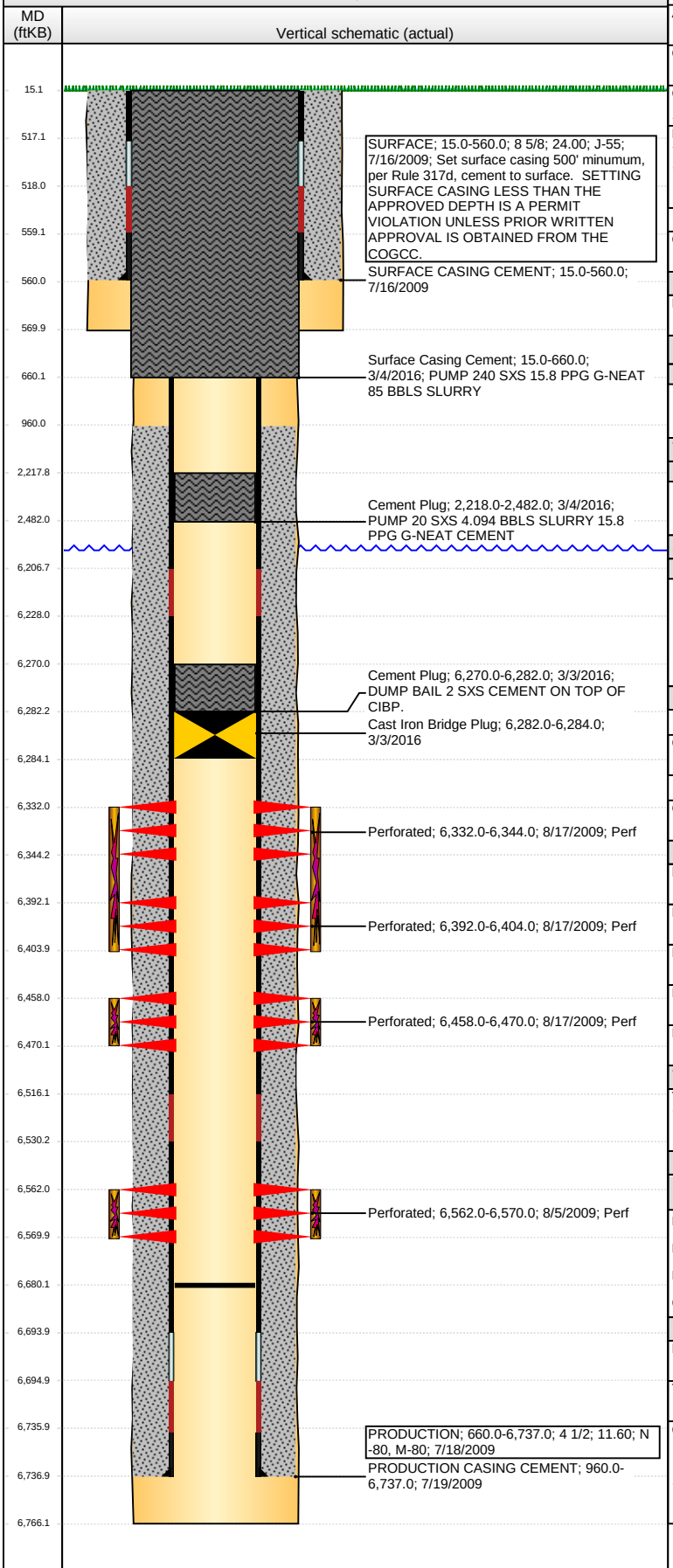
Wellbore Schematic Input Report

Well Name: WELLS RANCH AF06-08

VERTICAL - ORIGINAL HOLE, 3/29/2016 10:34:37 AM



Well Header

API	Business Unit	District	Well Config
05-123-30171	DJ BASIN	15	VERTICAL

Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,693	15.00	7/16/2009	3/4/2016

Comment: AF06-09 FRAC'D INTO AF06-08 5/2010

Directions To Well: WCR 67 & 68, GO EAST 2/10THS OF A MILE, THEN SOUTH 1.75 MILES, THEN EAST 3.25 MILES, THEN SOUTH 1.5 MILES, THEN SOUTHEAST INTO LOCATION

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N…	Range	Rng E/W Dir
		SE	NE	6	5	N	62	W

Bottom Hole Location

North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line
2,120.0	FNL	656.0	FEL

Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
7/19/2009	6,694.9	CASING TALLY	FLOAT COLLAR
7/27/2009	6,680.0	CASED HOLE LOG	CBL DEPTH LOGGER

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	15.0	570.0
PRODUCTION	7 7/8	570.0	6,766.0

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	8/28/2009	PR		DRILLING/CO…	
NIOBRARA	3/3/2016	P&A		ABANDON WE…	
CODELL	8/28/2009	PR		DRILLING/CO…	
CODELL	3/3/2016	P&A		ABANDON WE…	

Casing Strings

SURFACE, 560.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l…	Grade	Top, MD (ft…	MD (ftKB)
SURFACE	7/16/2009	8 5/8	24.00	J-55	15.0	560.0

PRODUCTION, 6,737.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l…	Grade	Top, MD (ft…	MD (ftKB)
PRODUCTION	7/18/2009	4 1/2	11.60	N-80	15.0	6,737.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	15.0	560.0
PRODUCTION CASING CEMENT	960.0	6,737.0
Cement Plug	6,270.0	6,282.0
Cement Plug	2,218.0	2,482.0
Surface Casing Cement	15.0	660.0

Tubing Strings

Tubing Description	Run Date	String…	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De…
Tubing - Production	10/19/2009	2 3/8	1.995	4.70	J-55	6,536.86	6,549.9

Perforation Data

Zone	Bnch/Stg	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	24	6,332.00	6,344.00	8/17/2009
NIOBRARA, ORIGINAL HOLE	B	24	6,392.00	6,404.00	8/17/2009
NIOBRARA, ORIGINAL HOLE	C	24	6,458.00	6,470.00	8/17/2009
CODELL, ORIGINAL HOLE		32	6,562.00	6,570.00	8/5/2009

Stimulations & Treatments

Date	Zone	Primary Job Type
8/17/2009	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

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

Comment: (CODELL): REVERSE STEP RATE RESULTS: PO - 11. PERF FRIC - 277 PSI. NWB FRIC - 293 PSI. ISIP - 2667 PSI. INC RATE T/ 22 BPM DUE TO HIGH LO. TREATMENT WENT WELL. NOLTE FLAT. POST ISIP - 3054 PSI. AVG VISC - 28.1 CP. AVG TEMP - 69.2F. AVG PH - 10.10.

Report Printed: 3/29/2016

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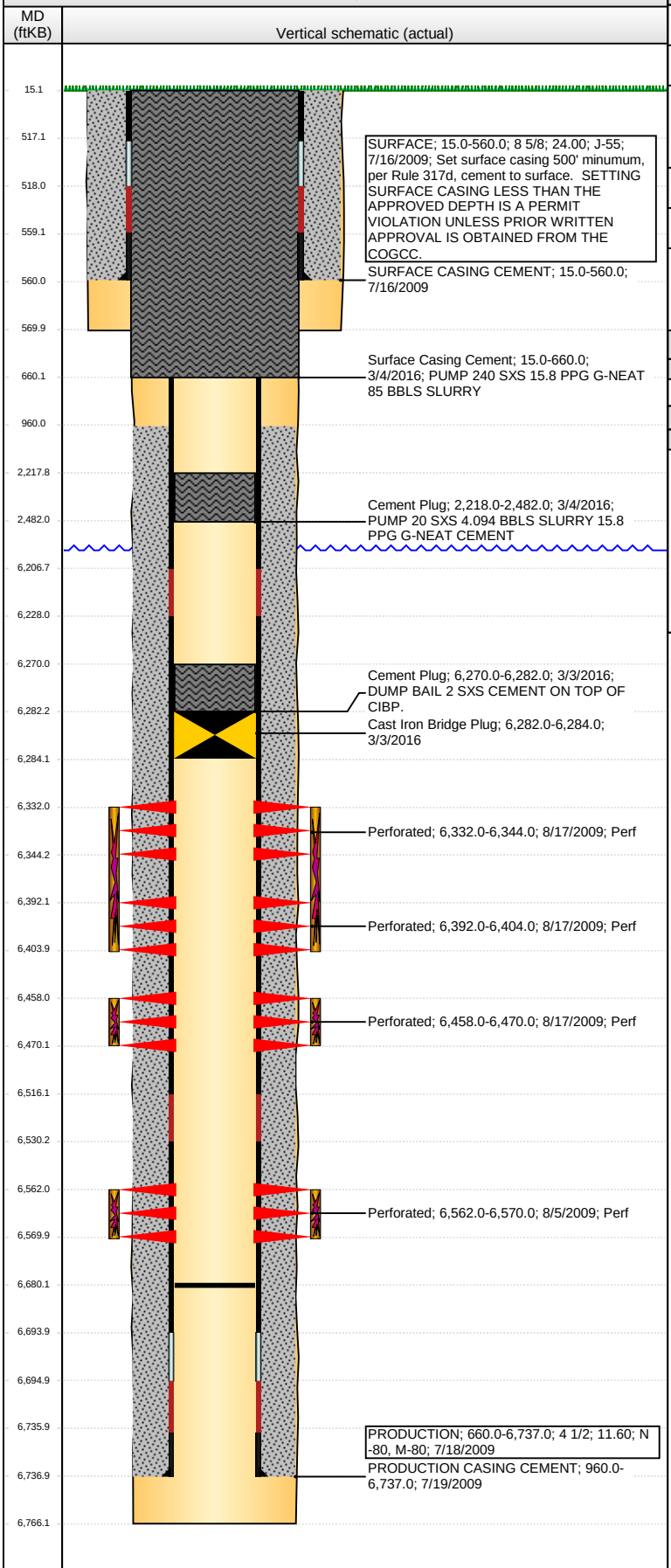

Stimulations & Treatments

Date	Zone	Primary Job Type
8/17/2009	NIOBRARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

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

Comment: (NIOBRARA C): ISIP - 2948 PSI. TREATMENT WENT WELL. NOLTE FLAT. POST ISIP - 3089 PSI. AVG VISC - 23.5 CP. AVG TEMP - 70.2F. AVG PH - 10.14.

Date	Zone	Primary Job Type
8/17/2009	NIOBRARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

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

Comment: (NIOBRARA A&B): ISIP - 2979 PSI. TREATMENT WENT WELL. AVG NOLTE - 0.10. POST ISIP - 3218 PSI. AVG VISC - 24.5 CP. AVG TEMP - 70.8F. AVG PH - 10.10.

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
3/3/2016	Cast Iron Bridge Plug	3.99	6,282.0	6,284.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
7/18/2009	Caliper/Comp. Density/Neutron/GR/SP/ML	2,550.0	6,733.0
7/18/2009	DIL/GR/SP/Caliper	560.0	6,753.0
7/18/2009	DIL/GR/SP/Caliper	6,322.0	6,753.0
7/27/2009	CBL/CCL/GR	0.0	6,679.0
10/7/2014	GYRO	10.0	6,500.0
3/3/2016	CBL/CCL/GR	15.0	1,000.0

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