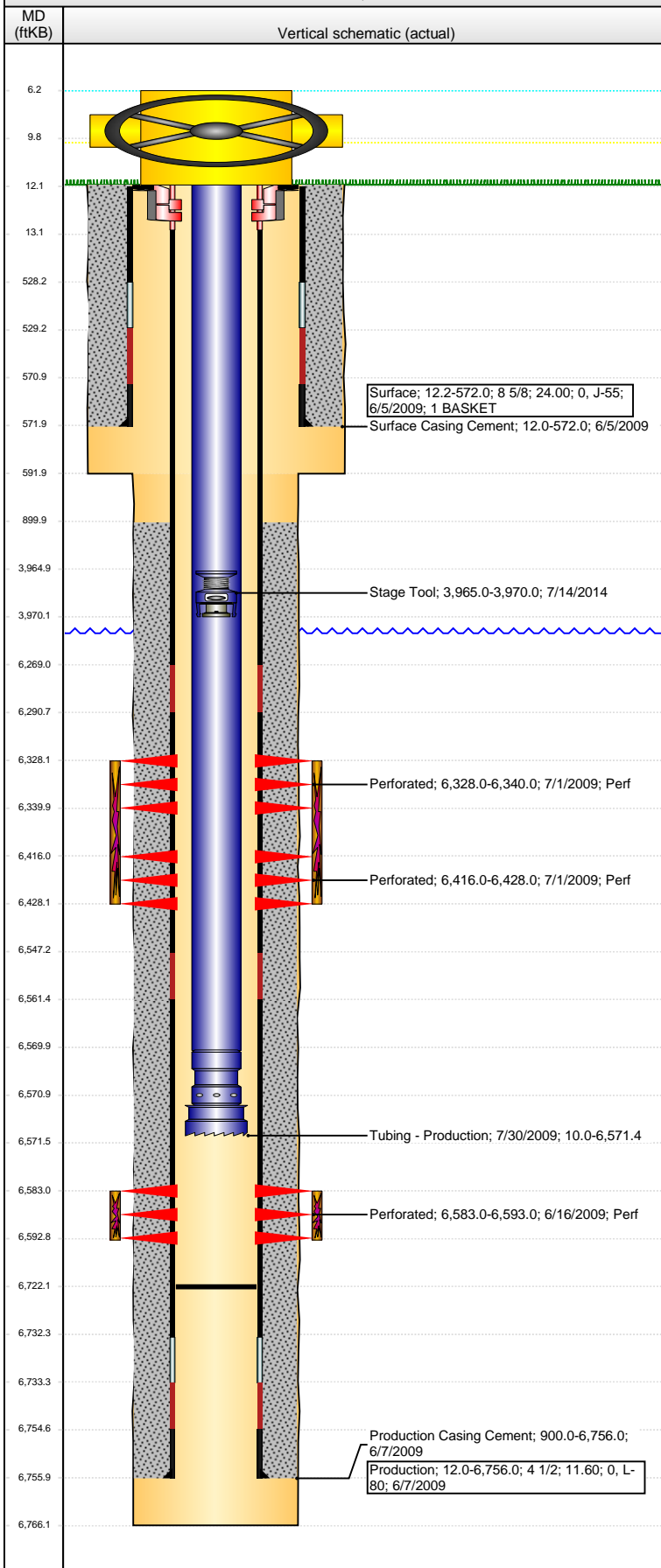


Well Name: WELLS RANCH AF06-03

VERTICAL - ORIGINAL HOLE, 1/18/2016 3:38:18 PM



Well Header									
API 05-123-30173		Business Unit DJ BASIN		District 15		Well Config VERTICAL			
Original KB Elevation (ft) 4,682.00		KB - GL / MSL (ftKB) 12.00		Spud Date 6/4/2009		P & A Date			
Comment									
Directions To Well Wells Ranch AF06-03; WCR 67 & 68, E .2, S 1.75, E 2.75, S 1.5, NE Into location.									
Congressional Location									
Quarter 1	Quarter 2	Quarter 3 NE	Quarter 4 NW	Section 6	Township 5 N	Twnshp N...	Range 62	Rng E/W Dir 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					
6/7/2009	6,732.0	CASING TALLY		DRILL COMPOSITE PLUG W/ CUTRITE BIT AND...					
6/16/2009	6,714.0	CASED HOLE LOG							
7/29/2009	6,722.0	TUBING TALLY							
Wellbore Sections									
Section Des		Size (in)		Act Top, MD (ftKB)		Act Btm, MD (ftKB)			
SURFACE		12 1/4		12.0		592.0			
PRODUCTION		7 7/8		592.0		6,766.0			
Zone Statuses									
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method				
NIOBRARA	7/3/2009	PR		DRILLING/CO...					
CODELL	7/3/2009	PR		DRILLING/CO...					
Casing Strings									
Surface, 572.0ftKB									
Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)			
Surface	6/5/2009	8 5/8	24.00	J-55	12.2	572.0			
Production, 6,756.0ftKB									
Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)			
Production	6/7/2009	4 1/2	11.60	L-80	12.0	6,756.0			
Cement									
Description				Top Depth (ftKB)		Bottom Depth (ftKB)			
Surface Casing Cement				12.0		572.0			
Description				Top Depth (ftKB)		Bottom Depth (ftKB)			
Production Casing Cement				900.0		6,756.0			
Tubing Strings									
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...		
Tubing - Production	7/30/2009	2 3/8	1.995	4.70	J-55	6,561.41	6,567.9		
Tubing Components									
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)		
Tubing	2 3/8	4.70	J-55	213	6,559.91	6,569.9			
Pump Seating Nipple	2 3/8			1	1.10	6,571.0	6,567.5		
Notched collar	3 1/16			1	0.40	6,571.4	6,567.9		
Perforation Data									
Zone	Bnch/St g	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date		
NIOBRARA, ORIGINAL HOLE	A	24	6,328.00		6,340.00		7/1/2009		
NIOBRARA, ORIGINAL HOLE	B	24	6,416.00		6,428.00		7/1/2009		
CODELL, ORIGINAL HOLE		40	6,583.00		6,593.00		6/16/2009		
Stimulations & Treatments									
Date	Zone			Primary Job Type					
7/1/2009	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. NWB FRIC - 331 PSI. PERF FRIC - 266 PSI. ISIP - 2907 PSI. INC RATE T/ 22 BPM DUE TO HIGH LO. TREATMENT WENT WELL. NOLTE NEGATIVE. POST ISIP - 3018 PSI. AVG VISC - 28.4 CP. AVG TEMP - 74.3F. AVG PH - 10.16.									

Well Name: WELLS RANCH AF06-03

VERTICAL - ORIGINAL HOLE, 1/18/2016 3:38:21 PM

Stimulations & Treatments

Date 7/1/2009	Zone NIOBRARA, ORIGINAL HOLE	Primary Job Type DRILLING/COMPLETION - ORIGINAL
Technical Result Success	Tech Result Details According to Plan	Tech Result Note
Comment (NIOBRARA): ISIP - 2755 PSI. TREATMENT WENT WELL. AVG NOLTE - 0.1. POST ISIP - 2856 PSI. AVG VISC - 23.9 CP. AVG TEMP - 76.5F. AVG PH - 10.18.		

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
7/14/2014	Stage Tool	2	3,965.0	3,970.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
4/30/2009	Caliper/comp. Density/Neutron/GR/SP/ML	2,550.0	6,770.0
4/30/2009	DIL/GR/SP/Caliper	572.0	6,770.0
6/16/2009	CBL/CCL/GR	595.0	6,713.0
10/6/2014	GYRO	10.0	6,500.0

