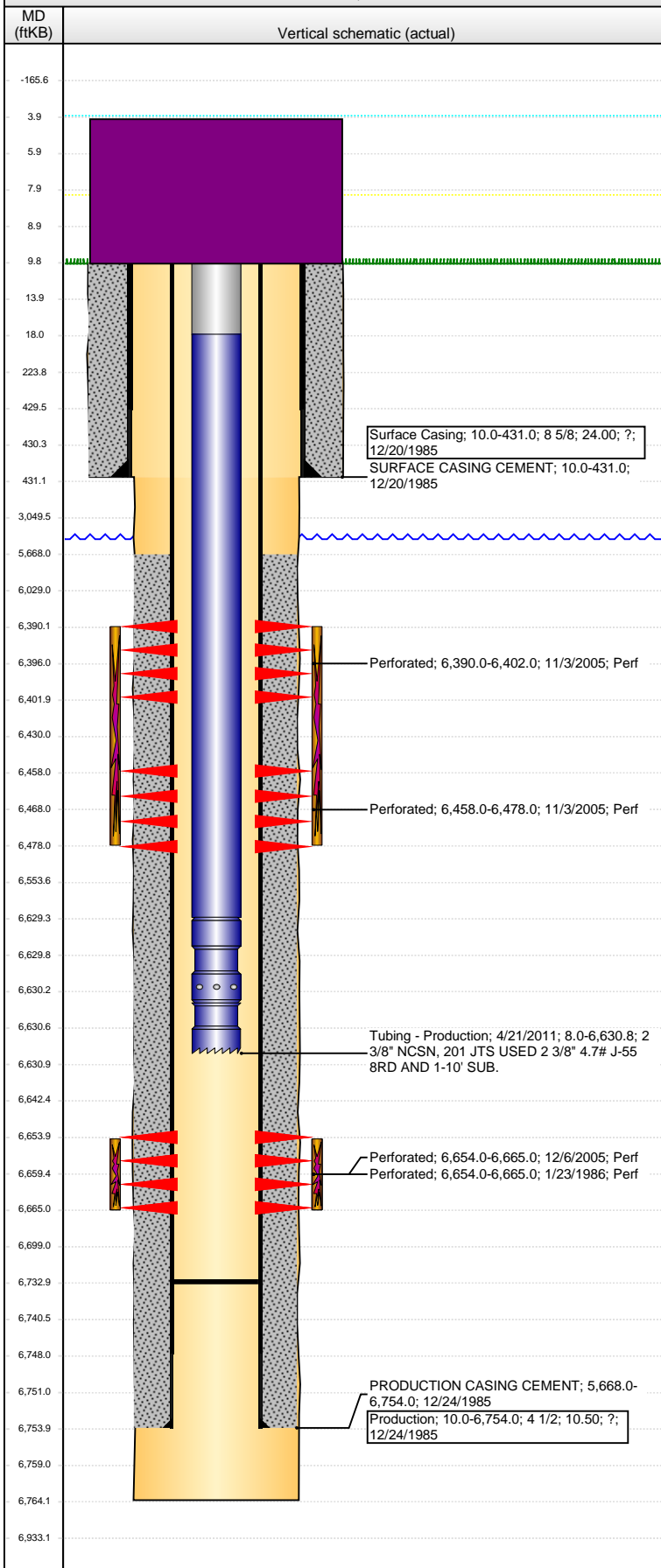


Wellbore Schematic Input Report

Well Name: FRANK 06

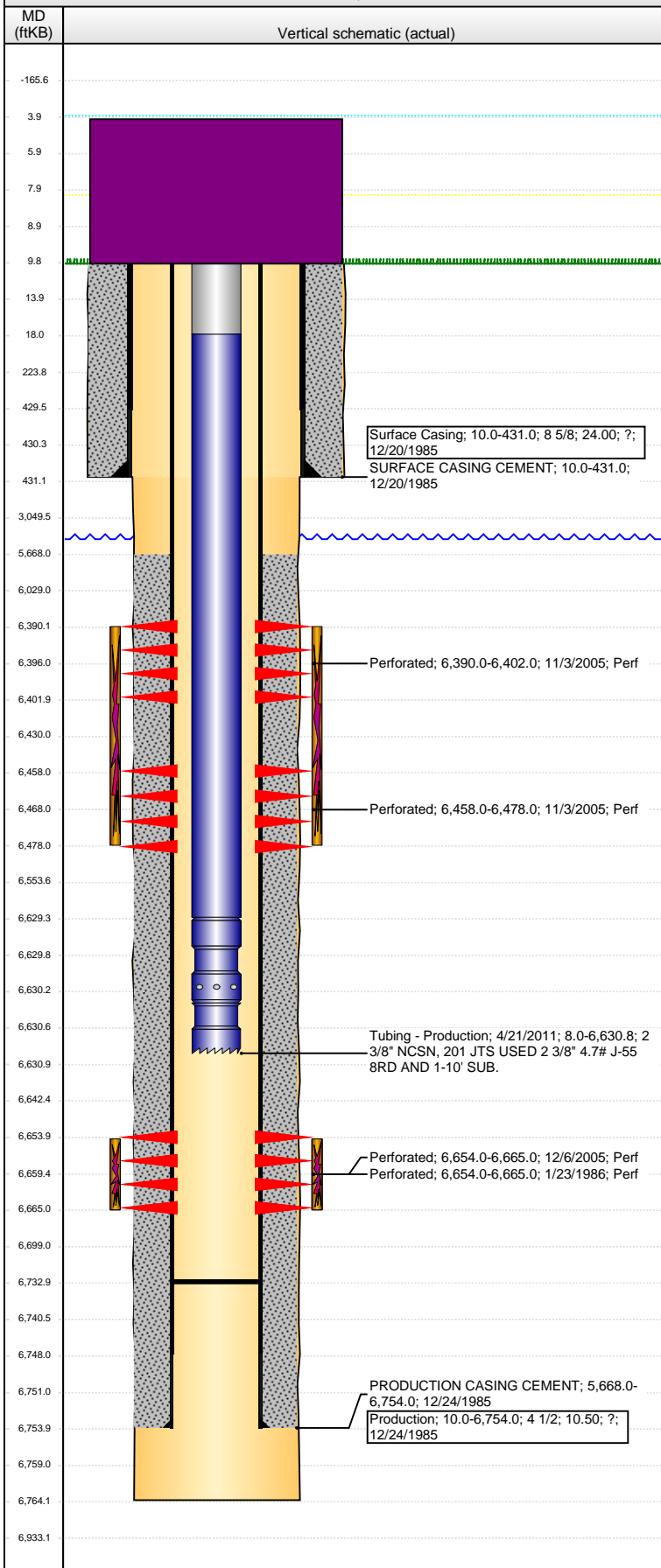
VERTICAL - ORIGINAL HOLE, 11/8/2016 10:06:27 AM



Well Header								
API 05-123-12872		Business Unit DJ BASIN		District 15		Well Config VERTICAL		
Original KB Elevation (ft) 4,622		KB - GL / MSL (ftKB) 10.00		Spud Date 12/19/1985		P & A Date		
Comment WELL FILE MINIMAL & SKETCHY								
Directions To Well CR 48 & CR 61 S 2/10, E 4/10 INTO								
Congressional Location								
Quarter 3 SE		Quarter 4 NW	Section 7	Township 4	Twntshp N/S Dir N	Range 63		Range 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			
12/24/1985		6,713.0	CASED HOLE LOG		DEPTH LOGGER			
11/29/2005		6,733.0	TAG		C/O PUSHED CBP & LAND TBG			
4/21/2011		6,733.0	TAG		C/O LND TBG			
Wellbore Sections								
Section Des			Size (in)	Act Top, MD (ftKB)		Act Btm, MD (ftKB)		
SURFACE			12 1/4	10		431		
PRODUCTION			7 7/8	431		6,764		
Zone Statuses								
Zone Name		Status Date	Status	Fluid Type	Job	Prod Method		
CODELL		2/4/1986	PR		DRILLING/CO...			
CODELL		11/3/2005	SI		RE-FRAC & R...			
CODELL		12/13/2005	PR		RE-FRAC & R...			
CODELL		5/26/2011	PR		TRI-FRAC, 3/2...			
NIOBRARA		11/16/2005	PR		RE-FRAC & R...			
NIOBRARA		12/13/2005	PR		RE-FRAC & R...			
Casing Strings								
Surface Casing, 431.0ftKB								
Casing Description		Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)	
Surface Casing		12/20/1985	8 5/8	24.00	?	10.0	431.0	
Production, 6,754.0ftKB								
Casing Description		Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)	
Production		12/24/1985	4 1/2	10.50	?	10.0	6,754.0	
Cement								
Description				Top Depth (ftKB)		Bottom Depth (ftKB)		
SURFACE CASING CEMENT				10.0		431.0		
Description				Top Depth (ftKB)		Bottom Depth (ftKB)		
PRODUCTION CASING CEMENT				5,668.0		6,754.0		
Tubing Strings								
Tubing Description		Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production		11/29/2005	2 7/8	2.323	7.80	N-80	6,555.02	
Tubing Description		Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Frac string		3/28/2011	2 7/8	2.323	7.80	N-80	6,555.01	
Tubing Description		Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Frac string		4/11/2011	2 7/8	2.441	6.50	N-80	6,555.01	
Tubing Description		Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production		4/21/2011	2 3/8	1.995	4.70	J-55	6,622.81	
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	18.0	
Tubing		2 3/8	4.70	J-55	201	6,611.16	6,629.2	
Seating Nipple		2 3/8	5.40	J-55	1	1.20	6,630.4	
Notched collar		2 3/8		J-55	1	0.45	6,630.8	
Perforation Data								
Zone		Bnch/St g	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date
NIOBRARA, ORIGINAL HOLE			72	6,390.00		6,402.00		11/3/2005
NIOBRARA, ORIGINAL HOLE			120	6,458.00		6,478.00		11/3/2005

Well Name: FRANK 06

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Perforation Data					
Zone	Brnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		44	6,654.00	6,665.00	12/6/2005
CODELL, ORIGINAL HOLE		12	6,654.00	6,665.00	1/23/1986

Stimulations & Treatments			
Date	Zone	Primary Job Type	
1/24/1986	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details		Tech Result Note

Comment			
FRAC DATE ESTIMATED			
Date	Zone	Primary Job Type	
10/28/2005	CODELL, ORIGINAL HOLE	RE-FRAC & RECOMPLETE	
Technical Result	Tech Result Details		Tech Result Note

Comment			
Date	Zone	Primary Job Type	
11/15/2005	NIOBRARA, ORIGINAL HOLE	RE-FRAC & RECOMPLETE	
Technical Result	Tech Result Details		Tech Result Note

Comment			
Date	Zone	Primary Job Type	
4/5/2011	CODELL, ORIGINAL HOLE	TRI-FRAC	
Technical Result	Tech Result Details		Tech Result Note
Failure	Screen-Out		

Comment
(CODELL TF) ISIP 3124. 5 MIN 2217. RIGHT AFTER 2 LB SAND WAS ON FORMATION, BLENDER SUCTION SPIKED TO 330 BPM, SENDING APPROXIMATELY 9 BBL OF GEL WITH APPROXIMATELY 8000 LB OF SAND IN 30 SECONDS. DENSITY HIT 17.6 LB. COULD NOT SHUTDOWN QUICK ENOUGH, AND PUMPED THE SAND SLUG AND PRESSURE SPIKE TO 8152 PSI. TRIED TO FLUSH THE WELL, BUT WELL LOCKED UP AFTER 9 BBL. SHUTDOWN, TRIED TO FLOWBACK BUT ONLY FLOWED BACK ABOUT 2 BBL. TIRED TO PUMP AGAIN, BUT PRESSURE SPIKE TO 7500 PSI AT 1 BPM. SCREENED OUT. REASON UNKNOWN FOR BLENDER SUCTION FAILURE.

Date	Zone	Primary Job Type	
4/18/2011	CODELL, ORIGINAL HOLE	TRI-FRAC	
Technical Result	Tech Result Details		Tech Result Note
Success	According to Plan		

Comment
(CODELL TF) ISIP 3255, 5 MIN 2397. DURING 4 LB SAND, BACKSIDE PRESSURE CLIMBED TO APPROX 500 PSI, AND POP OFF LIFTED. INCREASED POP OFF PRESSURE AND PUMPED BACKSIDE UP TO 1000 PSI. BACKSIDE STABILIZED. SI BACKSIDE 1250 PSI. JOB WENT WELL. AVERAGES: VISC 27.06, TEMP 69.8, PH 10.18, NOLTE +0.18. POST ISIP 3275, 5 MIN 3185.

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
12/24/1985	COMPENSATED DENSITY	1,200.0	6,762.0
12/24/1985	INDUCTION	431.0	6,762.0
12/30/1985	CEMENT BOND	5,583.0	6,707.0