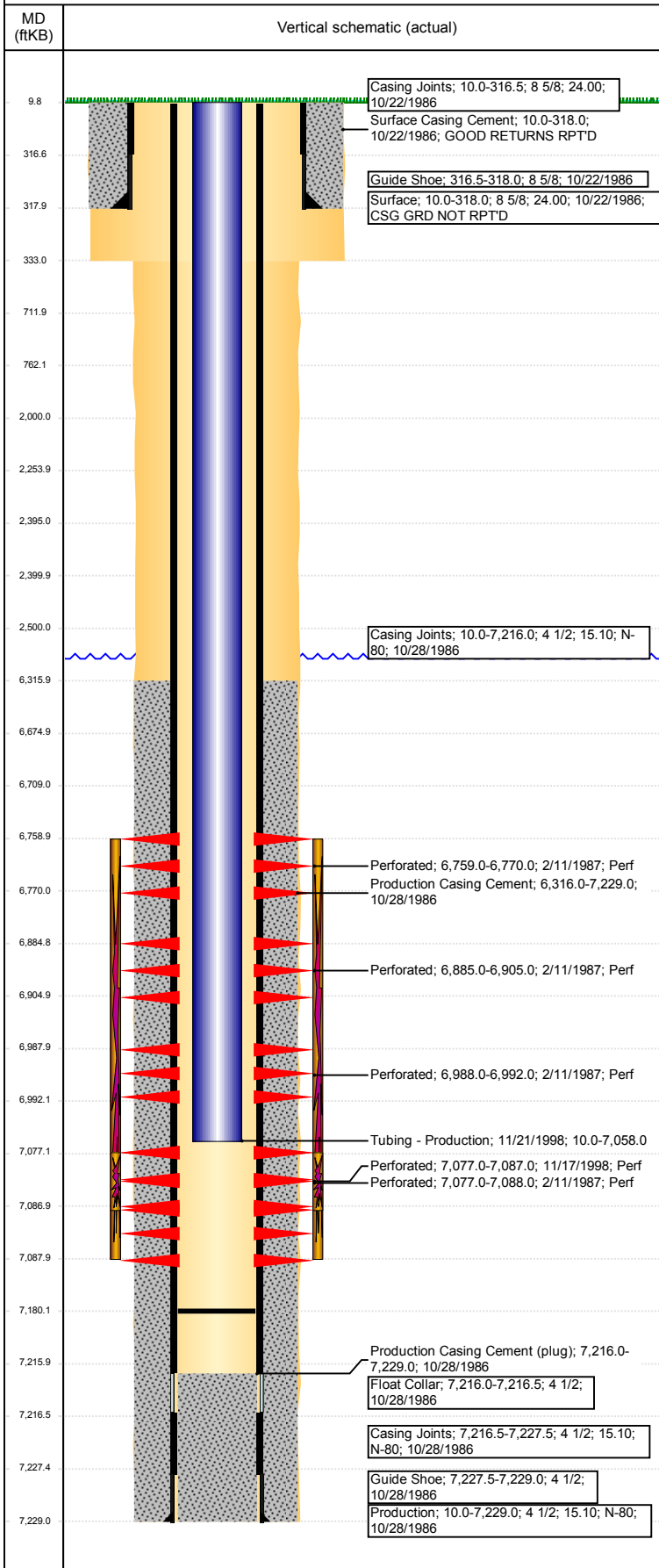


**Well Name: HOSHIKO 3-33**

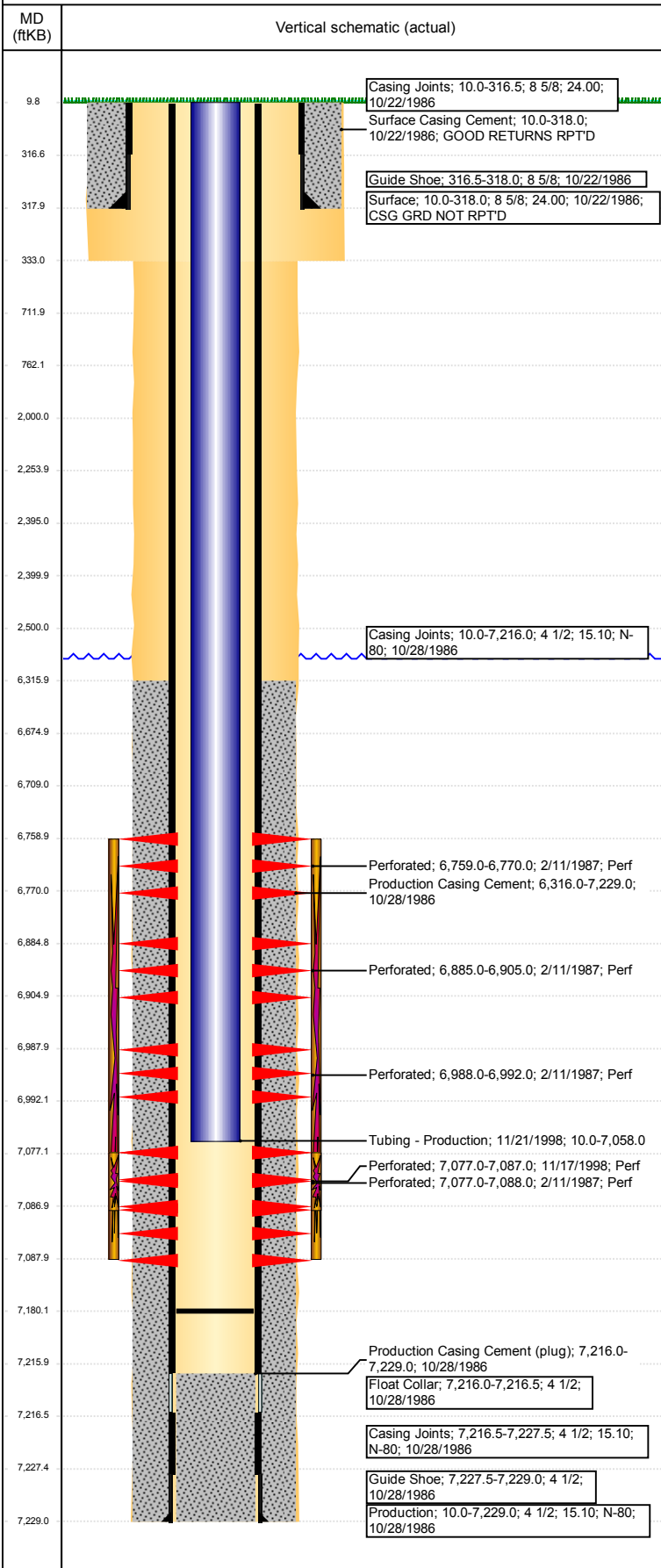
VERTICAL - ORIGINAL HOLE, 2/17/2018 11:01:59 AM



Well Header							
API 05-123-13208		Well Report Center 425857223		Well Configuration Type VERTICAL			
Original KB Elevation (ft) 4,699		KB - GL / MSL (ftKB) 10.00		Spud Date 10/21/1986		P & A Date	
Production Route A2-04			Well Production Status SI				SoRT Ignore No
Directions To Well O STREET & BALSAM AVE, S 1/10, W INTO				Actual Latitude (°) 40.44814200		Actual Longitude (°) -104.67021700	
Comment							
Congressional Location							
Quarter 3 NE	Quarter 4 NW	Section 33	Township 6	Twntshp N/S Dir N	Range 65	Range E/W Dir W	
Rig Operator							
Rig Operator							
Plug Back Total Depths							
Date	Depth (ftKB)	Method			Com		
11/21/1998	7,180.0	TAG			CLEAN OUT		
Wellbore Sections							
Section Des		Size (in)		Act Top, MD (ftKB)		Act Btm, MD (ftKB)	
SURFACE		12 1/4		10		333	
PRODUCTION		7 7/8		333		7,229	
Zone Statuses							
Zone Name		Status Date			Status		
NIOBRARA		4/9/1987			PR		
CODELL		11/23/1998			PR		
Casing Strings							
Surface, 318.0ftKB							
Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)	
Surface	10/22/1986	8 5/8	24.00		10.0	318.0	
Production, 7,229.0ftKB							
Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)	
Production	10/28/1986	4 1/2	15.10	N-80	10.0	7,229.0	
Cement							
Des			Start Date		Top (ftKB)		Btm (ftKB)
Surface Casing Cement			10/22/1986		10.0		318.0
Production Casing Cement			10/28/1986		6,316.0		7,229.0
Proposed Cement							
Des					Top (ftKB)		Btm (ftKB)
Cement Squeeze					2,000.0		2,500.0
Balance Plug					2,400.0		2,500.0
Cement Plug					2,254.0		2,395.0
Shoe Plug					712.0		762.0
Shoe Plug					10.0		712.0
Tubing Strings							
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	11/21/1998	2 3/8	2.00	4.70	J-55	7,048.00	
Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	227	7,046.50	7,056.5	
Seal Nipple	2 3/8				1.00	7,057.5	
Notched collar	2 3/8				0.50	7,058.0	
Other In Hole							
Run Date	Des			OD (in)	Top (ftKB)	Btm (ftKB)	
Proposed Other In Hole							
Des				OD (in)	Top (ftKB)	Btm (ftKB)	
Cement Retainer				3.83	2,395.0	2,400.0	
Cast Iron Bridge Plug w/ 2 SX Cement				3.83	6,675.0	6,709.0	
Logs							
Date	Type				Top, MD (ftKB)		Btm, MD (ftKB)
10/28/1986	COMPENSATED NEUTRON				3,500.0		7,233.0
10/28/1986	INDUCTION				296.0		7,230.0
2/11/1987	CBL/CCL/GR				6,030.0		7,170.0
2/11/1987	PERFORATION				6,950.0		7,050.0

**Well Name: HOSHIKO 3-33**

VERTICAL - ORIGINAL HOLE, 2/17/2018 11:02:00 AM



Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
2/15/1987	GAMMA RAY	6,300.0	7,164.0
11/17/1998	PERFORATION	6,900.0	7,050.0

Perforation Data				
Linked Zone	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	3	6,759.00	6,770.00	2/11/1987
NIOBRARA, ORIGINAL HOLE	7	6,885.00	6,905.00	2/11/1987
NIOBRARA, ORIGINAL HOLE	2	6,988.00	6,992.00	2/11/1987
CODELL, ORIGINAL HOLE	20	7,077.00	7,087.00	11/17/1998
CODELL, ORIGINAL HOLE	4	7,077.00	7,088.00	2/11/1987
<b>Total (Sum)</b>	<b>36</b>			

Proposed Perforations				
Linked Zone	Sum of En...	Top Depth (ftKB)	Btm (ftKB)	Date
	0	2,500.00	2,500.00	2/6/2018
<b>Total (Sum)</b>	<b>0</b>			

Job Supply Amounts					
Supply Item Des	Type	Uni...	Job Category	Total ...	Total ...