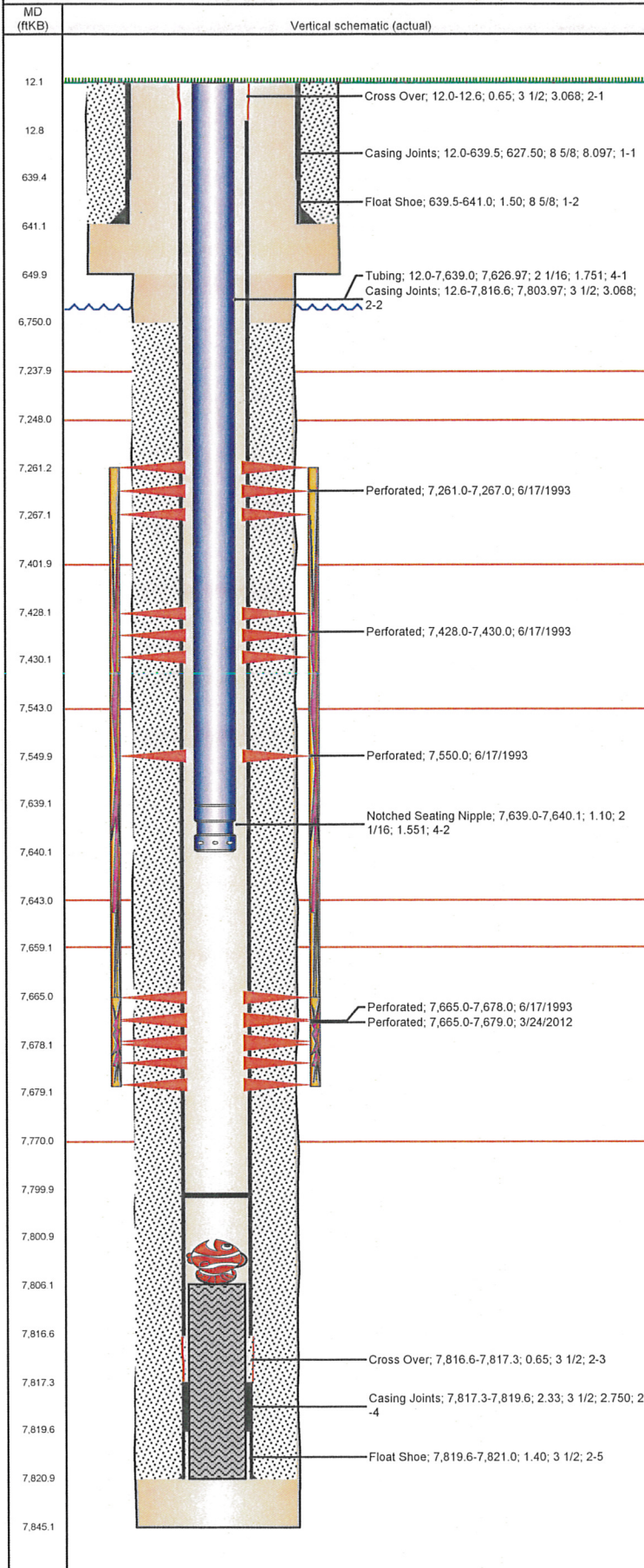


Well Name: CULVER MC16-04

VERTICAL - ORIGINAL HOLE, 8/8/2012 9:14:35 AM



## Well Header

API	Business Unit	District	Well Config
05-013-06322	WATTENBERG	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
5,055.00	12.00	6/3/1993	

## Comment

## Directions To Well

HWY 52 & HWY 287 SOUTH 1 MILE TO LOOK OUT RD. WEST 1.5 95TH AVE SOUTH 1.5 MILE. EAST THROUGH GREEN ON BLACK WOODEN FENCE 1/10. N.E. 200' S.E 2/10 AROUND LAKE NORTH 300' N.W 1/10 INTO GO THRU 16-05 LOCATION NORTH THRU SWING GATES AND STAY ON EAST SIDE OF DITCH CONTINUE NORTH THRU SECOND GATE, OVER DRIVEWAY, THE NORTH INTO

## Current PBTD (ftKB)

ORIGINAL HOLE - 7,800.0

## Surface Location (Congressional)

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		NW	NW	16	1	N	69	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
6/12/1993	7,818.0	CASING TALLY	FLOAT COLLAR
6/16/1993	7,806.0	CASED HOLE LOG	DEPTH LOGGER ON CBL

## Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	12 1/4	12.0	650.0
PRODUCTION	7 7/8	650.0	7,845.0

## Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	7/8/1993	PR	DRILLING/COMPLETION - ORIGINAL, 6/3/1993 00:00
CODELL	5/4/2012	PR	RE-FRAC, 3/22/2012 06:00
NIOBRARA	7/8/1993	PR	DRILLING/COMPLETION - ORIGINAL, 6/3/1993 00:00

## Casing Strings

Csg Des	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Surface	6/5/1993	8 5/8	24.00	K-55	12.0	641.0
Production	6/11/1993	3 1/2	7.70	M-75	12.0	7,821.0

## Cement

Des	Top (ftKB)	Btm (ftKB)
SURFACE CASING CEMENT	12.0	641.0
PRODUCTION CASING CEMENT	6,750.0	7,821.0

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)
Tubing	2 1/16	3.25	J-55	236	7,626.97
Notched Seating Nipple	2 1/16	0.00	0	1	1.10

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	3	7,261.0	7,267.0	6/17/1993
NIOBRARA, ORIGINAL HOLE	B	2	7,428.0	7,430.0	6/17/1993
NIOBRARA, ORIGINAL HOLE	C	1	7,550.0	7,550.0	6/17/1993
CODELL, ORIGINAL HOLE		7	7,665.0	7,678.0	6/17/1993
CODELL, ORIGINAL HOLE		56	7,665.0	7,679.0	3/24/2012

## Stimulations & Treatments

Bnch/Stg	Date	Zone	Primary Job Type
	6/23/1993	NIOBRARA-CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

## Comment

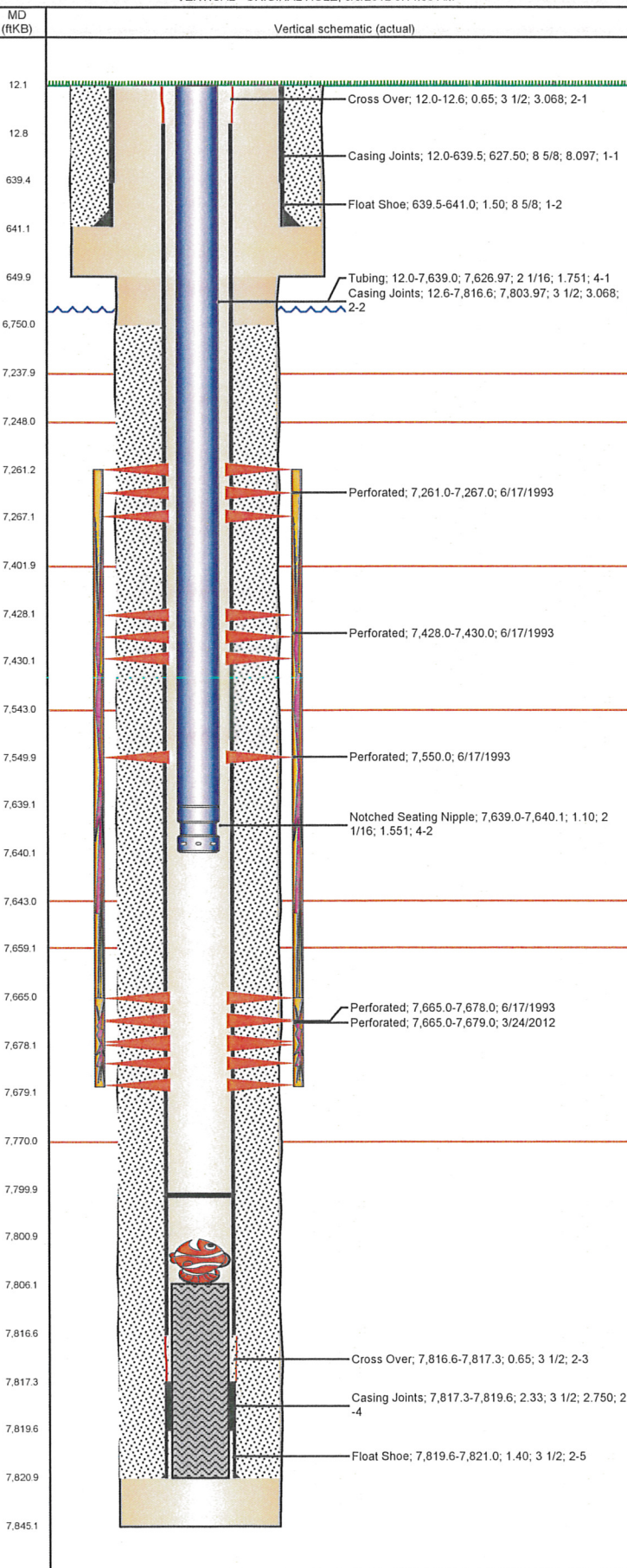
FRAC'D LIMITED ENTRY

Total Add Amount	Total Clean Volume...	Vol Slurry Tot (gal)	Vol Gas Tot (MCF)
Proppant 300360 lb		104580.01	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
5,100.0	5,920.0	29.00	31.00



Well Name: CULVER MC16-04

VERTICAL - ORIGINAL HOLE, 8/8/2012 9:14:36 AM



## Stimulations & Treatments

Bnch/Stg	Date	Zone	Primary Job Type
	3/29/2012	CODELL, ORIGINAL HOLE	RE-FRAC
Comment (CODELL RF): VISTAR 23/24/25# DESIGN. 17 BBL TO LOAD THE BACKSIDE. TOWARD THE END OF 1 PSA STAGE THE BACKSIDE STARTED TO SLOWLY CLIME. HAD BACKSIDE PUMP SLOWLY ABOUT 0.2 BPM THE REMAINDER OF THE JOB TO AVOID ANY MORE COMMUNICATION. MAX PRESSURE OBSERVED ON THE BACKSIDE WAS 2429 PSI. JOB WENT WELL WITH NO OTHER ISSUES TO REPORT. POST 5 MIN 2738 PSI.			
Total Add Amount		Total Clean Volume...	Vol Slurry Tot (gal)
Proppant Ottawa		132372.66	143468.64
244990.898 lb			
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
6,123.0	6,523.0	14.24	15.26

## Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
4/13/2012	PACKER	2.99	7,801.0	7,806.0

## Logs

Date	Type	Top (ftKB)	Btm (ftKB)
6/10/1993	Compensated Density	3,800.0	7,839.0
6/10/1993	Induction	3,800.0	7,839.0
6/16/1993	CBL/CCL/GR	6,550.0	7,806.0