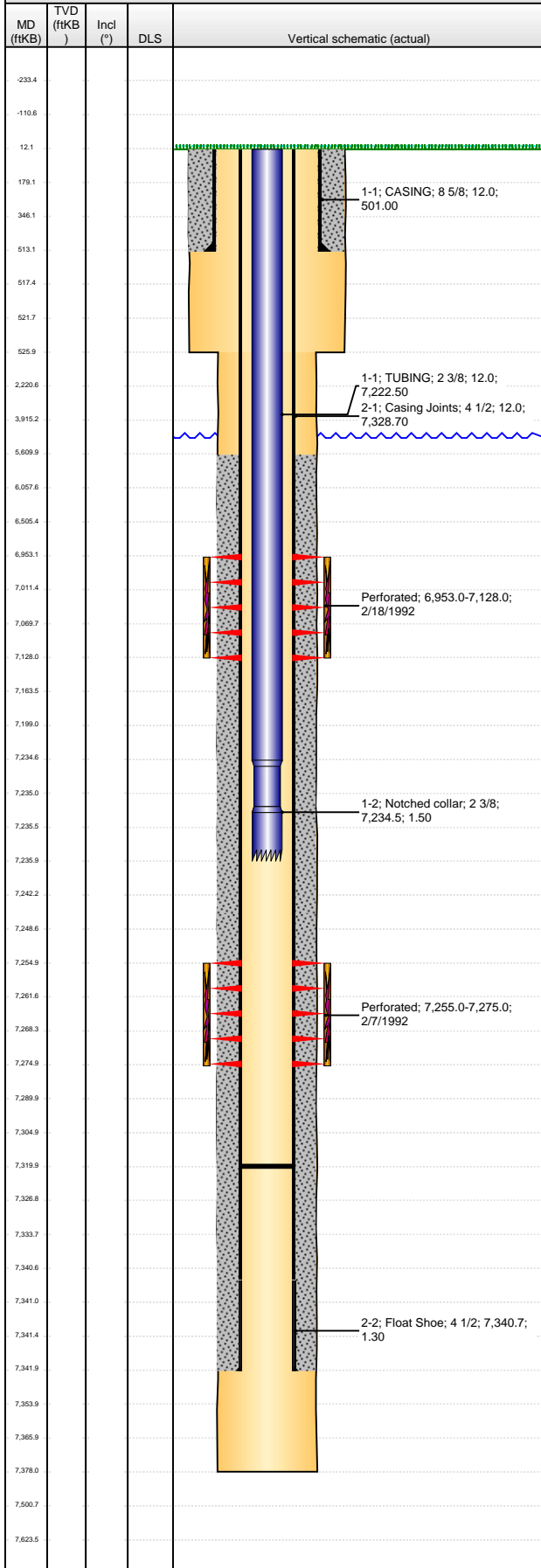


**Well Name: STATE 36-13E**

VERTICAL - ORIGINAL HOLE, 12/4/2012 11:08:59 AM



## Well Header

API 05-123-15445	Business Unit WATTENBERG	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,782.00	KB - GL / MSL (ftKB) 12.00	Spud Date 1/27/1992	P & A Date
Comment			

## Directions To Well

## Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		SW	SW	36	4	N	67	W

## Bottom Hole Location

North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line
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## Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
2/7/1992	7,290.0	CASED HOLE LOG	DEPTH - LOGGER ON CBL
2/21/1992	7,320.0	TAG	TSAGGED FILL @7320'

## Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	12 1/4	12.0	526.0
PRODUCTION	7 7/8	526.0	7,378.0

## Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	2/25/1992	PR	DRILLING/COMPLETION - ORIGINAL, 1/27/1992 00:00
NIOBRARA	2/25/1992	PR	DRILLING/COMPLETION - ORIGINAL, 1/27/1992 00:00

## Casing Strings

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top (ftKB)	Set Depth...
Surface	1/28/1992	8 5/8	23.00	WC-50	12.0	513.0

## Production, 7,342.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top (ftKB)	Set Depth...
Production	2/3/1992	4 1/2	11.60	M-75	12.0	7,342.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	12.0	513.0
PRODUCTION CASING CEMENT	5,610.0	7,342.0

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
TUBING	2 3/8	4.70	J55	233	7,222.50	7,234.5	
Notched collar	2 3/8				1.50	7,236.0	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		28	6,953.00	7,128.00	2/18/1992
CODELL, ORIGINAL HOLE		80	7,255.00	7,275.00	2/7/1992

## Stimulations & Treatments

Date	Zone	Primary Job Type
2/14/1992	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

## Comment

Date	Zone	Primary Job Type
2/19/1992	NIOBRARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

## Comment

## Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

## Logs

Date	Type	Top (ftKB)	Btm (ftKB)
2/2/1992	COMPENSATED DENSITY	3,600.0	7,340.0
2/2/1992	INDUCTION	513.0	7,376.0
2/7/1992	CEMENT BOND	5,400.0	7,286.0

Well Name: STATE 36-13E

VERTICAL - ORIGINAL HOLE, 12/4/2012 11:09:00 AM

## Logs

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)	Logs	Date	Type	Top (ftKB)	Btm (ftKB)
						2/11/1992	TEMPERATURE SURVEY	0.0	7,286.0
-233.4									
-110.8									
12.1									
179.1									
346.1									
513.1									
517.4									
521.7									
525.9									
2,220.6									
3,915.2									
5,609.9									
6,057.6									
6,505.4									
6,953.1									
7,011.4									
7,069.7									
7,128.0									
7,163.5									
7,199.0									
7,234.6									
7,235.0									
7,235.5									
7,235.9									
7,242.2									
7,248.6									
7,254.9									
7,261.6									
7,268.3									
7,274.9									
7,289.9									
7,304.9									
7,319.9									
7,326.6									
7,333.7									
7,340.6									
7,341.0									
7,341.4									
7,341.9									
7,353.9									
7,365.9									
7,378.0									
7,500.7									
7,623.5									