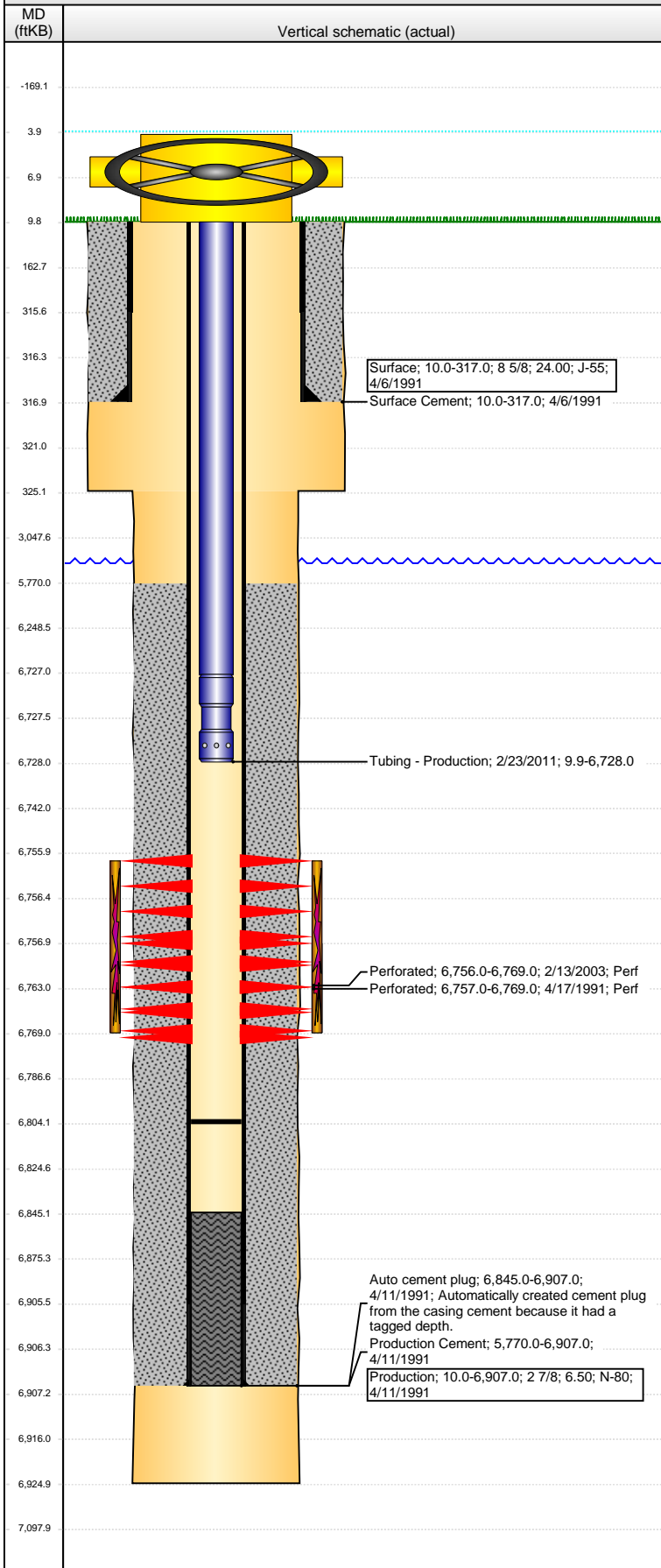


**Well Name: PATRIOT B16-09**

VERTICAL - ORIGINAL HOLE, 11/22/2013 10:33:16 AM



## Well Header

API	Business Unit	District	Well Config
05-123-14928	WATTENBERG	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,615.00	10.00	4/6/1991	

Comment  
ST LEASE 80-6052

ALMOST NO INFORMATION IN GREELEY WELL FILE

Directions To Well

## Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twtnshp N...	Range	Rng E/W Dir
		NE	SE	16	5	N	64	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
4/11/1991	6,889.0	CASING TALLY	
4/16/1991	6,845.0	CASED HOLE LOG	CBL
2/25/2003	6,804.0	TAG	LEAVES 35' RAT HOLE

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10.0	325.0
PRODUCTION	7 7/8	325.0	6,925.0

## Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	4/24/1991	PR	DRILLING/COMPLETION - ORIGINAL, 4/6/1991 06:00
CODELL	2/26/2003	PR	RE-FRAC, 2/13/2003 06:00

## Casing Strings

### Surface, 317.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	4/6/1991	8 5/8	24.00	J-55	10.0	317.0

### Production, 6,907.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	4/11/1991	2 7/8	6.50	N-80	10.0	6,907.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
Surface Cement	10.0	317.0

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
Production Cement	5,770.0	6,907.0

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	1.66	2.33	J-55	211	6,717.00	6,726.9	
Notched Seating Nipple	1.66			1	1.10	6,728.0	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		56	6,756.00	6,769.00	2/13/2003
CODELL, ORIGINAL HOLE		20	6,757.00	6,769.00	4/17/1991

## Stimulations & Treatments

Date	Zone	Primary Job Type
4/17/1991	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

Comment

Date	Zone	Primary Job Type
2/21/2003	CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note

Comment  
PRESSURE SLOPE WAS SLIGHTLY NEGATIVE FOR 1# SAND STAGE INDICATING PERF EROSION / NEAR WELLBORE CLEAN-UP THEN TURNED POSITIVE FOR REMAINDER OF TREATMENT WITH AN AVERAGE NOLTE SLOPE OF +0.41. PRESSURE SLOPE TURNED TO A STEEP NEGATIVE SLOPE LATE IN 4# SAND

**Well Name: PATRIOT B16-09**

VERTICAL - ORIGINAL HOLE, 11/22/2013 10:33:19 AM

## Other In Hole

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

## Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
4/10/1991	COMPENSATED DENSITY	4,100.0	6,903.0
4/10/1991	INDUCTION	4,100.0	4,800.0
4/16/1991	CBL/CCL/GR	5,700.0	6,840.0
2/23/2011	GYRO	10.0	6,750.0

