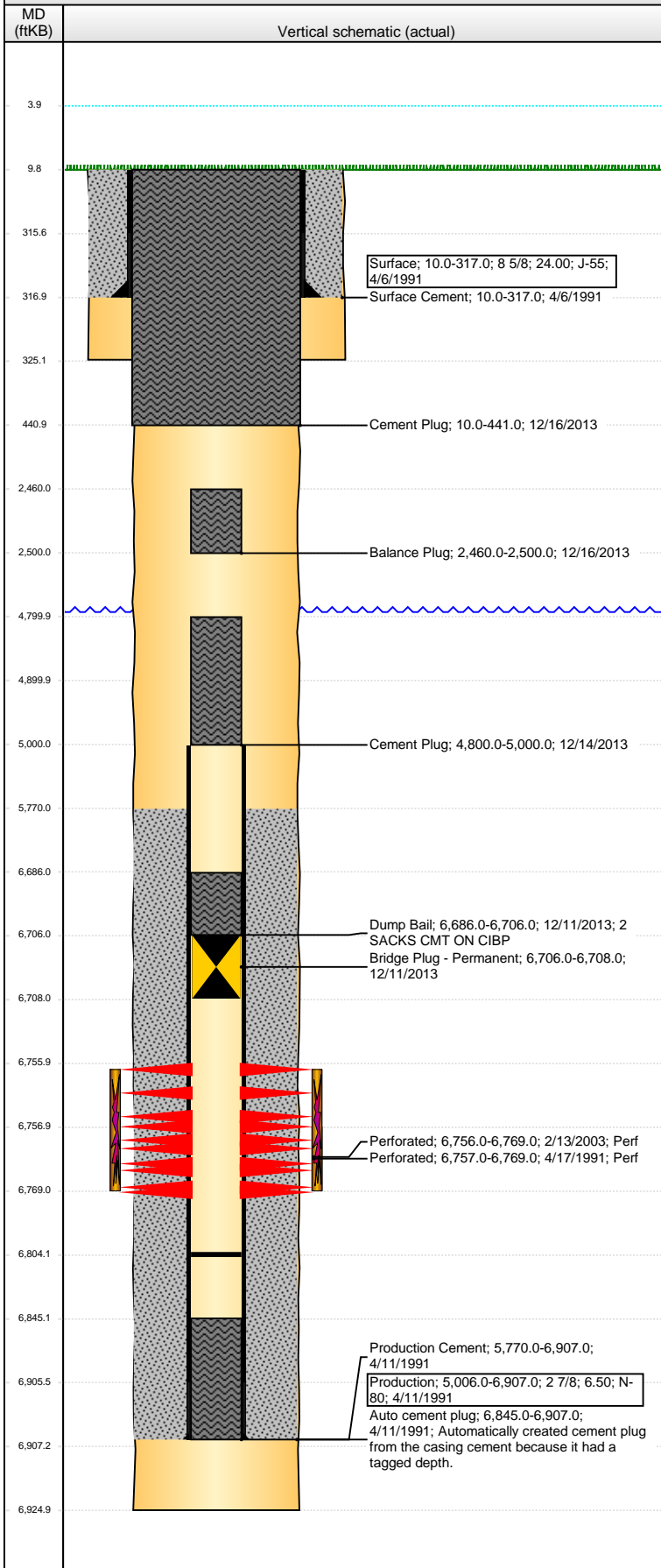


Well Name: PATRIOT B16-09

VERTICAL - ORIGINAL HOLE, 12/26/2013 4:10:00 PM



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	12/18/2013
Comment			

Directions To Well

HIWAY 34 & WCR 56, ON NORTH SIDE OF HIWAY TURN OFF AND GO EAST 0.1 MILE, NORTH, 0.6 MILE (TO DOUBLE GREEN GATES), NORTHWEST 0.1 MILE AND SOUTH INTO

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twtnsh 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
CODELL	12/11/2013	P&A	ABANDON WELL, 12/10/2013 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
Production Cement	5,770.0	6,907.0
Dump Bail	6,686.0	6,706.0
Cement Plug	4,800.0	5,000.0
Balance Plug	2,460.0	2,500.0
Cement Plug	10.0	441.0

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)

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

Well Name: PATRIOT B16-09

VERTICAL - ORIGINAL HOLE, 12/26/2013 4:10:02 PM

Stimulations & Treatments

Date 2/21/2003	Zone CODELL, ORIGINAL HOLE	Primary Job Type 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

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
12/11/2013	Bridge Plug - Permanent	2.4	6,706.0	6,708.0

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

