

Well Name: HAGEN 09-10

Well Config: VERTICAL - ORIGINAL HOLE, 3/19/2012 3:27:20 PM

Well Header

API	Business Unit		Spud Date		Well Configuration Type	
05-123-17124	WATTENBERG		6/29/1993		VERTICAL	
Orig KB Elev (ft)	KB - GL / ...	Quarter Quarter	Sec/Abs	Twn/Sur...	Range	P & A Date
4,691.00	11	NWSE	9	4N	64W	
Comment						

Directions To Well

WCR 46 & 55, NORTH 0.3, WEST 0.3, NORTH 300', WEST INTO.

Current PBTD (ftKB)

ORIGINAL HOLE - 6890.0

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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PBTDs

Date	Depth (ftKB)	Method	Comment
7/3/1993	6,948.0	CASING TALLY	FLOAT SHOE
7/7/1993	6,890.0	CASED HOLE LOG	DEPTH LOGGER ON CBL

Wellbore Sections

Section	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	9 7/8	11.0	492.0
PRODUCTION	6 1/4	492.0	7,006.0

Zone Statuses

Zone	Status Date	Status	Job
NIOBRARA	8/7/1993	PR	DRILLING/COMPLETION - ORIGI...
CODELL	8/7/1993	PR	DRILLING/COMPLETION - ORIGI...
CODELL	10/13/2002	PR	RE-FRAC, 10/2/2002 00:00
NIOBRARA	11/25/2011	PR	RE-FRAC, 11/15/2011 06:00
NIOBRARA	12/24/2011	PR	RE-FRAC, 11/15/2011 06:00
CODELL	12/24/2011	PR	RE-FRAC, 11/15/2011 06:00

Casing Strings

Casing Description	Run Date	String OD (in)	String Wt (lbs/ft)	String Grade	Top (ftKB)	Set Depth (ftKB)
Surface	6/30/1993	7	20.00		11.0	480.0
Production	7/3/1993	4 1/2	11.60	M-75	11.0	6,991.0

Cement

Description	Top (ftKB)	Btm (ftKB)
Surface Casing Cement	11.0	480.0
Production Casing Cement	5,931.0	6,991.0

Tubing Components

Item Description	OD (in)	Wt (lbs/ft)	Grade	Jts	Len (ft)
Pup Joint	2 3/8	4.70	N-80	1	10.00
Tubing	2 3/8	4.70	J-55	228	6,794.73
Seal Nipple	2 3/8	4.70	J-55	1	0.82
Notched collar	2 3/8	4.70	J-55	1	0.38

Perforation Data

Zone	Bnch/Stg	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGI...	A	32	6,560.0	6,576.0	11/18/2011
NIOBRARA, ORIGI...	A	8	6,562.0	6,575.0	7/17/1993
NIOBRARA, ORIGI...	B	32	6,644.0	6,660.0	11/18/2011
NIOBRARA, ORIGI...	B	12	6,649.0	6,658.0	7/17/1993
NIOBRARA, ORIGI...	C	4	6,715.0	6,718.0	7/17/1993
CODELL, ORIGINA...		56	6,834.0	6,848.0	10/4/2002
CODELL, ORIGINA...		20	6,835.0	6,845.0	7/7/1993

Stimulations & Treatments

Bnch/...	Date	Zone	Primary Job Type
	7/12/1993	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Comment			

Total Add Amount	V (pumped) (gal)	V (slurry) (gal)	V (gas) (mcf)
Proppant Ottawa 190000 lb		60312	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
4,464.0	5,506.0	13.50	14.00

Production, 11-6,991, 4 1/2, 11.60, M-75, 7/3/1993
Production Casing Cement, 5,931-6,991, 7/3/1993

TD, 7,006, 7/3/1993

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