

Frac Wellbore Schematic Report

Well Name: UPRC 07-04H6

Well Config: VERTICAL - ORIGINAL HOLE, 3/19/2012 2:19:26 PM

Well Header

API		Business Unit		Spud Date		Well Configuration Type	
05-123-18152		WATTENBERG		12/17/1994		VERTICAL	
Orig KB Elev (ft)	KB - GL / ...	Quarter Quarter	Sec/Abs	Twn/Sur...	Range	P & A Date	
4,896.00	12	NWNW	7	5N	66W		

Comment
FRAC'D INTO 5H6 in 2001; REV NIO RC PKT 10/15/09

Directions To Well
HWY 34 & 95TH AVE, N 5/10, E 1/10, N 4/10.

Current PBD (ftKB)
ORIGINAL HOLE - 7290.0

Bottom Hole Location

North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line

PBTDs

Date	Depth (ftKB)	Method	Comment
12/24/1994	7,280.0	CASING TALLY	GUIDE SHOE
1/19/1995	7,280.0	CASED HOLE LOG	DEPTH-LOGGER

Wellbore Sections

Section	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	12 1/4	12.0	460.0
PRODUCTION	7 7/8	460.0	7,345.0

Zone Statuses

Zone	Status Date	Status	Job
CODELL	2/6/1995	PR	DRILLING/COMPLETION - ORIGI...
CODELL	3/17/2001	PR	RE-FRAC, 2/23/2001 00:00
CODELL	3/22/2010	PR	TRI-FRAC, 1/19/2010 07:30
NIOBRARA	11/23/2011	PR	RECOMPLETION, 10/20/2011 17:30

Casing Strings

Casing Description	Run Date	String OD (in)	String Wt (lbs/ft)	String Grade	Top (ftKB)	Set Depth (ftKB)
Surface	12/18/1994	7	17.00	H-40	12.0	453.0
Production	12/24/1994	3 1/2	7.70	B70	12.0	7,343.0

Cement

Description	Top (ftKB)	Btm (ftKB)
SURFACE CASING CEMENT	12.0	453.0
PRODUCTION CASING CEMENT	5,826.0	7,343.0

Tubing Components

Item Description	OD (in)	Wt (lbs/ft)	Grade	Jts	Len (ft)
Tubing	1.9	2.75	J-55	216	7,128.94
Pump Seating Nipple	1.9	2.75	N-80	1	1.00
Notched collar	1.9	2.75	J-55	1	0.20

Perforation Data

Zone	Bnch/Stg	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGI...	A	64	6,872.0	6,888.0	10/25/2011
NIOBRARA, ORIGI...	B	64	7,006.0	7,022.0	10/25/2011
CODELL, ORIGINA...		48	7,178.0	7,190.0	1/24/1995
CODELL, ORIGINA...		44	7,178.0	7,190.0	2/26/2001

Stimulations & Treatments

Bnch/...	Date	Zone	Primary Job Type
	1/23/1995	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Comment

Total Add Amount	V (pumped) (gal)	V (slurry) (gal)	V (gas) (mcf)
Proppant 150000 lb		48930	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
4,300.0	4,800.0	22.00	22.00

Bnch/...	Date	Zone	Primary Job Type
	3/12/2001	CODELL, ORIGINAL HOLE	RE-FRAC

Comment
FRAC INTO 5H6 2001

Total Add Amount	V (pumped) (gal)	V (slurry) (gal)	V (gas) (mcf)
Proppant Ottawa 245800 lb		134022	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
6,000.0	6,904.0	14.30	14.60

Comment

TD, 7,345, 12/24/1994

PRODUCTION CASING CEMENT, 5,826-7,343, 12/24/1994

Perforated, 7,178-7,190, 1/24/1995, Perf

Perforated, 7,178-7,190, 2/26/2001, Perf

Perforated, 7,006-7,022, 10/25/2011, Perf

Perforated, 6,872-6,888, 10/25/2011, Perf

Tubing - Production, 12/13/2011, 12-7,142

SURFACE CASING CEMENT, 12-453, 12/18/1994

Surface, 12-453, 7, 17.00, H-40, 12/18/1994, 1 JT OF 20# K-55; 9 JTS OF 17# H-40

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Stimulations & Treatments

Bnch/...	Date	Zone	Primary Job Type
	2/4/2010	CODELL, ORIGINAL HOLE	TRI-FRAC
Comment CODELL TRIFRAC: TREATMENT WENT VERY WELL. SHUT DOWN A PUMP DURING PAD BECAUSE THE PACKING WAS LEAKING. AVG NOLTE +0.06			
Total Add Amount		V (pumped) (gal)	V (slurry) (gal)
Proppant Ottawa		132102	143126
244428.507 lb			
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
7,746.0	7,907.0	14.50	15.00
Bnch/...	Date	Zone	Primary Job Type
AB	11/22/2011	NIOBRARA, ORIGINAL HOLE	RECOMPLETION
Comment (NIO AB RC) OPEN WELL WITH 68 PSI, FORMATION BREAK 3961 PSI @ 4.5 BPM. PRE-TREATMENT ISIP= 3349 PSI, 5 MIN= 3056 PSI, FRAC GRAD= .92 PSI/FT. POST-TREATMENT ISIP= 3741 PSI, 5 MIN= 3481 PSI, AVGS: VISC= 16.5 CP, TEMP= 66.50 F, PH= 10.39, PRESS= 5531 PSI, RATE= 35.32 BPM, MAXIMUM: PRESS= 6060 PSI, RATE= 42.07 BPM. JOB WENT WELL WITH NO ISSUES.			
Total Add Amount		V (pumped) (gal)	V (slurry) (gal)
Ottawa 244545.402 lb		147453	158645
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
5,531.0	6,060.0	35.32	42.07

Other In Hole

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

Logs

Date	Type	Top (ftKB)	Btm (ftKB)
12/24/1994	INDUCTION	450.0	7,340.0
1/19/1995	CEMENT BOND	5,600.0	7,275.0

