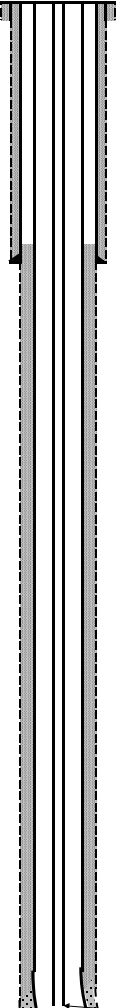


WELL NAME:	HWY 52 4H-32H-Q268					OPERATOR:	Civitas North LLC		
FIELD:	Wattenberg					FORMATION:	Niobrara		
SHL:	qtr-qtr	SWSE	Section	32	Township	2N	Range	68W	
BHL:	qtr-qtr	SESE	Section	5	Township	1N	Range	68W	
COUNTY:	Weld		STATE:	CO		API:	05-123-38269		

not to scale	
GROUND LEVEL:	4992'
KELLY BUSHING:	5015'
SPUD DATE:	3/22/2017
TD DATE:	6/16/2017



CONDUCTOR CASING	
SIZE:	16"
WEIGHT:	65#
HOLE SIZE:	30"
CSG DEPTH:	135'

SURFACE CASING	
SIZE:	9 5/8"
WEIGHT:	40#
HOLE SIZE:	13 1/2"
HOLE DEPTH:	1681'
CSG DEPTH:	1681'
CEMENT:	640 sx
TOC:	Surface

PRODUCTION CASING	
SIZE:	5 1/2"
WEIGHT:	20#
HOLE SIZE:	8 1/2"
TOTAL DEPTH TVD	7538'
TOTAL DEPTH MD	13402'
CSG DEPTH:	13402'
CEMENT:	1830 sx
TOC:	1600'

PRODUCTION TUBING	
SIZE:	2 3/8"
WEIGHT:	--
DEPTH:	7685'
PACKER DEPTH:	--

FORMATION TOPS & PERFORATIONS	
NIOBRARA MD	7763'
PERFORATIONS	7915'-13344'

FRAC DATA	
28	BBLS ACID
15	BBLS RECYCLED WAATER
209,024	BBLS FRESH WATER
209,067	BBLS TOTAL FLUID
4,921,720	# SILICA QUARTZ PROPPANT

EOT @ 7685'

Production Csg @ 13402'

MD TD 13402'

30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1