

WELL NAME:	RUEGGE #3K-4H-N165					OPERATOR:	CRESTONE PEAK RESOURCES OPERATING LLC	
FIELD:	DJ HORIZONTAL NIOBRARA					FORMATION:	Niobrara	
SHL:	qtr-qtr	SESW	Section	4	Township	1N	Range	65W
BHL:	qtr-qtr	NENW	Section	4	Township	1N	Range	65W
COUNTY:	WELD		STATE:		CO		API:	05-123-46563

not to scale	
GROUND LEVEL:	4915'
KELLY BUSHING:	4938'
SPUD DATE:	5/8/2018
TD DATE:	7/2/2018

CONDUCTOR CASING

SIZE:	16"
WEIGHT:	42#
HOLE SIZE:	24"
CSG DEPTH:	121'

SURFACE CASING

SIZE:	9 5/8"
WEIGHT:	40#
HOLE SIZE:	13 1/2"

HOLE DEPTH:	2440'
CSG DEPTH:	2515'
CEMENT:	904 SKS

TOC:	Surface
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PRODUCTION CASING

SIZE:	5 1/2"
WEIGHT:	20#
HOLE SIZE:	8 1/2"
TOTAL DEPTH TVD	7125'
TOTAL DEPTH MD	11932'
CSG DEPTH:	11932'
CEMENT:	1579 SKS

TOC:	2643'
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PRODUCTION TUBING

SIZE:	2-3/8"
WEIGHT:	4.7#

DEPTH:	7113'
SET DATE:	10/19/2018
PACKER DEPTH:	N/A

FRAC DATA

174	BBLS ADDITIVES (FRP-4CS, ACI-97, ASF-67)
162	BBLS ACID
173.838	BBLS FRESH WATER
174,174	BBLS TOTAL FLUID

FORMATION TOPS & PERFORATIONS

NIOBRARA MD	7119'
PERFORATIONS	7554' - 11893'

3,988,440	# SILICA QUARTZ PROPPANT
3,988,440	# TOTAL SAND
28	# TOTAL STAGES

