

WELL NAME:	Waag 22				OPERATOR:	Extraction Oil & Gas	
FIELD:	7N Wattenberg				FORMATION:	Codell	
SHL:	qtr-qtr	SESW	Section 19	Township 7N	Range 65W		
BHL:	qtr-qtr	SWSE	Section 24	Township 7N	Range 66W		
COUNTY:	Weld	STATE:	CO		API:	05-123-40348	

SURFACE CASING	
SIZE:	9 5/8"
WEIGHT:	36#
GRADE:	J-55
CONNECTION:	LTC
HOLE DEPTH:	881
CSG DEPTH:	881
INCL @ SHOE:	0.6°
CEMENT:	390 sx
TOC:	Surface
HOLE SIZE:	13 1/2"

INTERMEDIATE CASING	
SIZE:	7"
WEIGHT:	26#
GRADE:	P-110
CONNECTION:	LTC
HOLE DEPTH:	7,680
CSG DEPTH:	7,680
INCL @ SHOE:	92°
CEMENT:	549 sx
	497 sx
TOC:	Surface
HOLE SIZE:	8 3/4"

GROUND LEVEL:	4868'
KELLY BUSHING:	25'
SPUD DATE:	2/7/2015
COMP DATE:	11/15/2015

PRODUCTION LINER	
SIZE:	4 1/2"
WEIGHT:	13.5#
GRADE:	P-110
CONNECTION:	TXP/BTC
HOLE DEPTH:	12,063
LINER TOP:	7,501
INCL @ LT:	77°
LINER SHOE:	11,975
CEMENT:	Open hole
TOC:	-
HOLE SIZE:	6 1/8"

PRODUCTION TUBING	
SIZE:	2 3/8"
WEIGHT:	4.7#
GRADE:	J-55
DEPTH:	7,302'
INCL @ EOT:	48°



9 5/8" csg @
881' (0.6° incl)

KOP - 6945'

EOT @ 7,302" (48° incl)

Liner Top @ 7501' (77° incl)

8 3/4" hole @ 7680'
7" csg @ 7680' (92° incl)

Stage	Packer Depth	Sleeve Depth	Sleeve ID	Stage Length	Stage	Packer Depth	Sleeve Depth	Sleeve ID	Stage Length
1	11,917	12,016	1.980	146	25				
2	11,686	11,827	2.055	231	26				
3	11,458	11,596	2.130	228	27				
4	11,271	11,370	2.205	187	28				
5	11,039	11,181	2.280	232	29				
6	10,851	10,950	2.355	188	30				
7	10,629	10,762	2.430	223	31				
8	10,401	10,542	2.505	227	32				
9	10,215	10,313	2.580	186	33				
10	9,987	10,128	2.655	228	34				
11	9,762	9,897	2.730	224	35				
12	9,539	9,675	2.805	223	36				
13	9,352	9,450	2.880	187	37				
14	9,127	9,266	2.955	225	38				
15	8,900	9,038	3.030	227	39				
16	8,720	8,812	3.155	180	40				
17	8,490	8,630	3.280	231	41				
18	8,265	8,401	3.405	225	42				
19	8,046	8,185	3.530	219	43				
20	7,862	7,957	3.655	184	44				
21					45				
22					46				
23					47				
24					48				

Frac Stimulation	
Total Fluid:	48,163 bbls
Total Sand:	2,402,071 lbs 40/70
	1,598,932 lbs 20/40 white
	lbs 20/40 resin
	4,001,003 lbs
	913 lbs/ft

Completion Notes
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210' Avg Stage Length

Liner Shoe @ 1197

MD 12,063
TVD 7,365

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1