

WELL NAME:	Waag #1					OPERATOR: Extraction		
FIELD:	Wattenberg					FORMATION: Codell		
SHL:	qtr-qtr	NENW	Section 19	Township 7N	Range 65W			
BHL:	qtr-qtr	NWNE	Section 19	Township 7N	Range 65W			
COUNTY:	Weld	STATE:	CO		API:	05-123-40342		

SURFACE CASING	
SIZE:	9 5/8"
WEIGHT:	36#
GRADE:	J-55
CONNECTION:	LTC
HOLE DEPTH:	894
CSG DEPTH:	894
INCL @ SHOE:	0.7°
CEMENT:	650 sx Type G
TOC:	Surface
HOLE SIZE:	13 1/2"

INTERMEDIATE CASING	
SIZE:	7"
WEIGHT:	26#
GRADE:	P-110
CONNECTION:	LTC
HOLE DEPTH:	7,895
CSG DEPTH:	7,869
INCL @ SHOE:	87°
CEMENT:	484 sx 12.5# Lead
	462 sx 15.8# Tail
TOC:	Surface
HOLE SIZE:	8 3/4"

GROUND LEVEL:	4902'
KELLY BUSHING:	17.0'
SPUD DATE:	12/29/2014
COMP DATE:	

PRODUCTION LINER	
SIZE:	4 1/2"
WEIGHT:	13 1/2
GRADE:	P-110
CONNECTION:	TXP/BTC
HOLE DEPTH:	12,230
LINER TOP:	7,717
INCL @ LT:	74°
LINER SHOE:	12,134
CEMENT:	Open hole
TOC:	-
HOLE SIZE:	6 1/8"

PRODUCTION TUBING	
SIZE:	
WEIGHT:	
GRADE:	
DEPTH:	
INCL @ EOT:	

Stage	Packer Depth	Sleeve Depth	Sleeve ID (inch)	Stage Length	Stage	Packer Depth	Sleeve Depth	Sleeve ID (inch)	Stage Length
1	11,998	12,134	1.980	232	25				
2	11,771	11,912	2.055	227	26				
3	11,541	11,680	2.130	230	27				
4	11,356	11,451	2.205	185	28				
5	11,133	11,274	2.280	223	29				
6	10,907	11,045	2.355	226	30				
7	10,684	10,818	2.430	223	31				
8	10,463	10,599	2.505	222	32				
9	10,281	10,377	2.580	181	33				
10	10,050	10,191	2.655	231	34				
11	9,827	9,969	2.730	223	35				
12	9,603	9,737	2.805	224	36				
13	9,378	9,512	2.880	224	37				
14	9,190	9,288	2.955	188	38				
15	8,961	9,101	3.030	229	39				
16	8,737	8,872	3.155	224	40				
17	8,549	8,647	3.280	187	41				
18	8,367	8,465	3.405	182	42				
19	8,140	8,279	3.530	228	43				
20	7,911	8,050	3.655	228	44				
21					45				
22					46				
23					47				
24					48				

216' Avg Stage Length

Frac Stimulation	
Total Fluid:	bbbls
Total Sand:	lbs 40/70
	lbs 20/40 white
	lbs 20/40 resin
	- lbs
	0 lbs/ft

Completion Notes  
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Liner Shoe @ 12134'	
MD	12,230
TVD	7,388



9 5/8" csg @ 894' (0.7° incl)

KOP - 6,700'

EOT @ ' ( incl)

Liner Top @ 7717' (74° incl)

8 3/4" hole @ 7895'  
7" csg @ 7869' (87° incl)

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