

WELL NAME:	Waag 2					OPERATOR:	Extraction Oil & Gas				
FIELD:	Windsor - Wattenberg					FORMATION:	Niobrara				
SHL:	qtr-qtr	NENW	Section 19	Township 7N	Range 65W						
BHL:	qtr-qtr	NWNE	Section 24	Township 7N	Range 66W						
COUNTY:	Weld	STATE:	CO			API:	05-123-40343				

SURFACE CASING	
SIZE:	9 5/8"
WEIGHT:	36#
GRADE:	J-55
CONNECTION:	LTC
HOLE DEPTH:	885
CSG DEPTH:	884
INCL @ SHOE:	0.3°
CEMENT:	675 sx 15.8#
TOC:	Surface
HOLE SIZE:	13 1/2"

INTERMEDIATE CASING	
SIZE:	7"
WEIGHT:	26#
GRADE:	P-110
CONNECTION:	LTC
HOLE DEPTH:	7,775
CSG DEPTH:	7,758
INCL @ SHOE:	87°
CEMENT:	484 sx lead 12.5#
	479 sx tail 15.8#
TOC:	Surface
HOLE SIZE:	8 3/4"

GROUND LEVEL:	4,902'
KELLY BUSHING:	17.0'
SPUD DATE:	1/11/2015
COMP DATE:	

PRODUCTION LINER	
SIZE:	4 1/2"
WEIGHT:	13.5#
GRADE:	P-110
CONNECTION:	TXP/BTC
HOLE DEPTH:	11,820
LINER TOP:	7,573
INCL @ LT:	75°
LINER SHOE:	11,760
CEMENT:	Open hole
TOC:	-
HOLE SIZE:	6 1/8"

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



9 5/8" csg @  
884' (0.3° incl)

KOP - 6,450'

EOT @ ' ( incl)

Liner Top @ 7573' (75° incl)

8 3/4" hole @ 7775'  
7" csg @ 7758' (87° incl)

Stage	Packer Depth	Sleeve Depth	Sleeve ID (inch)	Stage Length	Stage	Packer Depth	Sleeve Depth	Sleeve ID (inch)	Stage Length
1	11,663	11,760	1.480	157	25	8,208	8,308	3.280	146
2	11,519	11,615	1.535	144	26	8,104	8,160	3.405	104
3	11,371	11,470	1.590	148	27	7,957	8,056	3.530	147
4	11,223	11,322	1.645	148	28	7,815	7,912	3.655	142
5	11,079	11,175	1.700	144	29				
6	10,931	11,031	1.755	148	30				
7	10,787	10,886	1.830	144	31				
8	10,687	10,739	1.905	100	32				
9	10,539	10,639	1.980	148	33				
10	10,393	10,492	2.055	146	34				
11	10,246	10,345	2.130	147	35				
12	10,098	10,198	2.205	148	36				
13	9,954	10,050	2.280	144	37				
14	9,806	9,906	2.355	148	38				
15	9,659	9,758	2.430	147	39				
16	9,513	9,611	2.505	146	40				
17	9,368	9,465	2.580	145	41				
18	9,224	9,320	2.655	144	42				
19	9,079	9,176	2.730	145	43				
20	8,935	9,031	2.805	144	44				
21	8,790	8,887	2.880	145	45				
22	8,646	8,743	2.955	144	46				
23	8,499	8,598	3.030	147	47				
24	8,354	8,453	3.155	145	48				

143' 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 @ 11760'

MD	11,820
TVD	7,199

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