

WELL NAME: Waag 9
FIELD: 7N - Wattenberg
SHL: qtr-qtr SENW Section 19 Township 7N Range 65W
BHL: qtr-qtr NWSE Section 19 Township 7N Range 66W
COUNTY: Weld STATE: CO API: 05-123-40353-00
OPERATOR: Extraction Oil and Gas
FORMATION: Niobrara



SURFACE CASING
 SIZE: 9 5/8"
 WEIGHT: 36#
 GRADE: J-55
 CONNECTION: LTC
 HOLE DEPTH: 903
 CSG DEPTH: 902
 INCL @ SHOE: 1°
 CEMENT: 390 sx 14.5#
 TOC: Surface
 HOLE SIZE: 13 1/2"

GROUND LEVEL: 4886'
 KELLY BUSHING: 24.0'
 SPUD DATE: 5/29/2015
 COMP DATE: 11/5/2015

PRODUCTION LINER
 SIZE: 4 1/2"
 WEIGHT: 13.5#
 GRADE: P-110
 CONNECTION: TXP/BTC
 HOLE DEPTH: 11,940
 LINER TOP: 7,405
 INCL @ LT: 88°
 LINER SHOE: 11,889
 CEMENT: Open hole
 TOC: -
 HOLE SIZE: 6 1/8"

INTERMEDIATE CASING
 SIZE: 7"
 WEIGHT: 26#
 GRADE: P-110
 CONNECTION: LTC
 HOLE DEPTH: 7,585
 CSG DEPTH: 7,585
 INCL @ SHOE: 67°
 CEMENT: 458 sx lead
 365 sx tail
 TOC: Surface
 HOLE SIZE: 8 3/4"

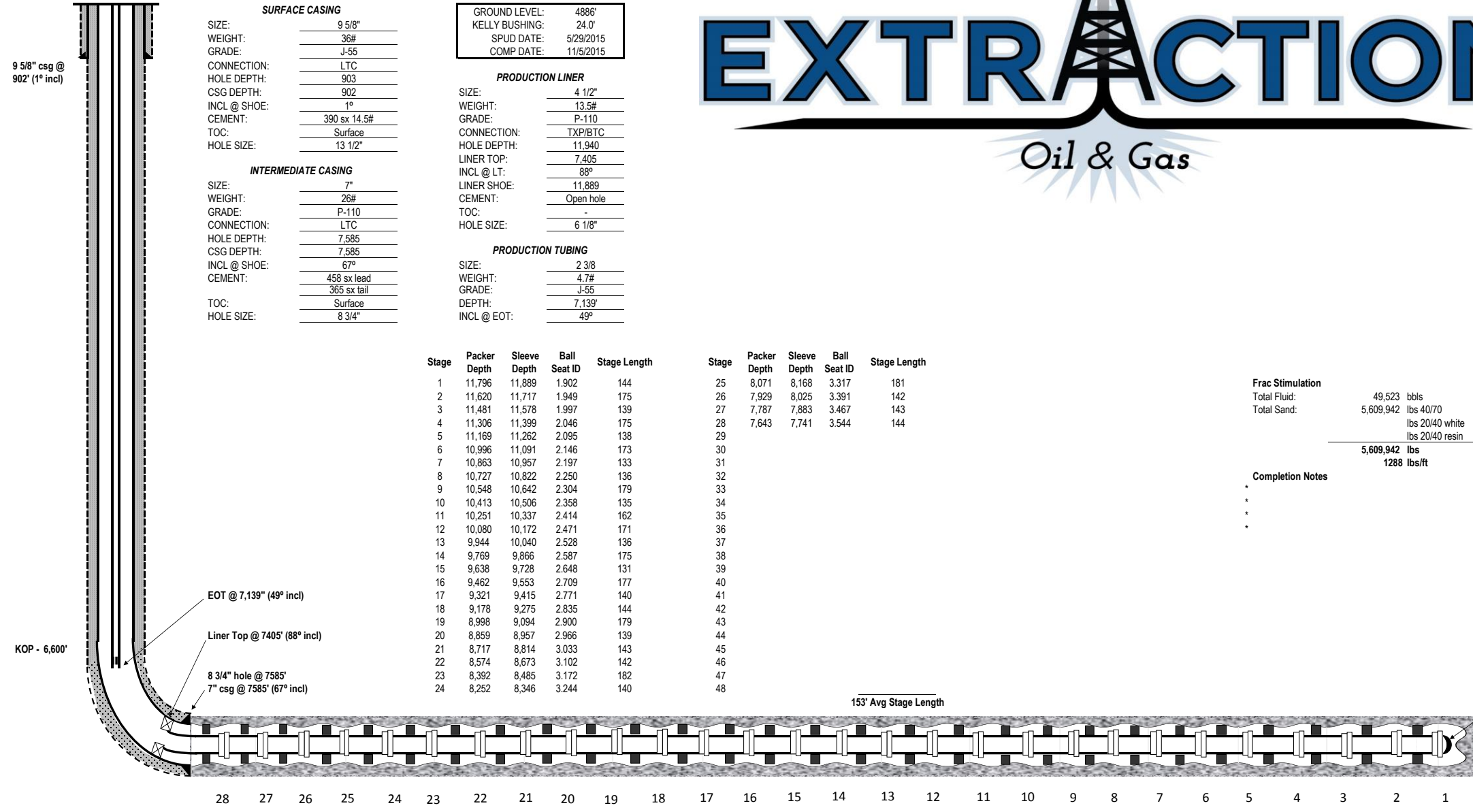
PRODUCTION TUBING
 SIZE: 2 3/8
 WEIGHT: 4.7#
 GRADE: J-55
 DEPTH: 7,139'
 INCL @ EOT: 49°

9 5/8" csg @ 902' (1° incl)

Stage	Packer Depth	Sleeve Depth	Ball Seat ID	Stage Length	Stage	Packer Depth	Sleeve Depth	Ball Seat ID	Stage Length
1	11,796	11,889	1,902	144	25	8,071	8,168	3,317	181
2	11,620	11,717	1,949	175	26	7,929	8,025	3,391	142
3	11,481	11,578	1,997	139	27	7,787	7,883	3,467	143
4	11,306	11,399	2,046	175	28	7,643	7,741	3,544	144
5	11,169	11,262	2,095	138	29				
6	10,996	11,091	2,146	173	30				
7	10,863	10,957	2,197	133	31				
8	10,727	10,822	2,250	136	32				
9	10,548	10,642	2,304	179	33				
10	10,413	10,506	2,358	135	34				
11	10,251	10,337	2,414	162	35				
12	10,080	10,172	2,471	171	36				
13	9,944	10,040	2,528	136	37				
14	9,769	9,866	2,587	175	38				
15	9,638	9,728	2,648	131	39				
16	9,462	9,553	2,709	177	40				
17	9,321	9,415	2,771	140	41				
18	9,178	9,275	2,835	144	42				
19	8,998	9,094	2,900	179	43				
20	8,859	8,957	2,966	139	44				
21	8,717	8,814	3,033	143	45				
22	8,574	8,673	3,102	142	46				
23	8,392	8,485	3,172	182	47				
24	8,252	8,346	3,244	140	48				

Frac Stimulation
 Total Fluid: 49,523 bbls
 Total Sand: 5,609,942 lbs 40/70
 lbs 20/40 white
 lbs 20/40 resin
5,609,942 lbs
1288 lbs/ft

Completion Notes
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MD 11,940
 TVD 7209'