

WELL NAME:	Winder South 9					OPERATOR:	Extraction Oil & Gas	
FIELD:	Wattenberg					FORMATION:	Niobrara	
SHL:	qtr-qtr	SENE	Section	9	Township	6N	Range	67W
BHL:	qtr-qtr	SWSW	Section	8	Township	6N	Range	67W
COUNTY:	Weld		STATE:	CO		API:	05-123-43406-00	

SURFACE CASING

SIZE:	9 5/8"
WEIGHT:	J-55
GRADE:	36#
CONNECTION:	LTC
HOLE DEPTH:	1,566
CSG DEPTH:	1,556
INCL @ SHOE:	1°
CEMENT:	565sx 13.5#
TOC:	Surface
HOLE SIZE:	13 1/2"

PRODUCTION CASING

SIZE:	5 1/2"
WEIGHT:	P-110
GRADE:	20#
CONNECTION:	TTRS1
TM DEPTH:	17,260
CSG DEPTH:	17,246
CEMENT:	75 sx 11.5#
	2200x 13.2#
TOC:	80
HOLE SIZE:	7 7/8"
HARDLINE:	7,766
LATERAL LENGTH:	9,494

GROUND LEVEL:	4856
KELLY BUSHING:	25.0'
SPUD DATE:	8/19/2016
COMP DATE:	1/24/2017

TIE-BACK STRING

SIZE:	
WEIGHT:	
GRADE:	
CONNECTION:	
CSG DEPTH:	

PRODUCTION TUBING

SIZE:	2 3/8"
WEIGHT:	4.7#
GRADE:	L-80
DEPTH:	7,778
INCL @ EOT:	



Stage	Plug Depth	Perf Cluster 1	Perf Cluster 2	Perf Cluster 3	Perf Cluster 4	Perf Cluster 5	Total ft of Perfs	SPF	# of Holes
1	17,196						6	6	36
2	17,178	17163-65	17136-37	17108-09	17081-82	17053-54	6	6	36
3	17,028	17013-15	16986-87	16959-60	16931-32	16904-05	6	6	36
4	16,879	16864-66	16836-37	16809-10	16782-83	16754-55	6	6	36
5	16,729	16714-16	16687-88	16663-64	16632-33	16605-06	6	6	36
6	16,580	16560-62	16537-38	16510-11	16482-83	16455-56	6	6	36
7	16,440	16415-17	16380-81	16360-61	16333-34	16306-07	6	6	36
8	16,281	16266-68	16238-39	16215-16	16183-84	16156-57	6	6	36
9	16,131	16116-18	16089-90	16061-62	16039-40	16006-07	6	6	36
10	15,976	15962-64	15939-40	15912-13	15884-85	15857-58	6	6	36
11	15,832	15817-19	15789-90	15760-61	15735-36	15707-08	6	6	36
12	15,682	15667-69	15640-41	15612-13	15587-88	15558-59	6	6	36
13	15,530	15514-16	15488-89	15463-64	15435-36	15412-13	6	6	36
14	15,383	15368-70	15341-42	15313-14	15286-87	15259-60	6	6	36
15	15,234	15219-21	15191-92	15164-65	15132-33	15109-10	6	6	36
16	15,084	15069-71	15042-43	15014-15	14987-88	14959-60	6	6	36
17	14,934	14919-21	14892-93	14864-65	14837-38	14810-11	6	6	36
18	14,785	14770-72	14742-43	14715-16	14686-87	14660-61	6	6	36
19	14,635	14620-22	14593-94	14565-66	14538-39	14508-09	6	6	36
20	14,486	14471-73	14443-44	14416-17	14388-89	no fire	5	6	30
21	14,436	14321-23	14294-95	14266-67	14238-39	14212-13	6	6	36
22	14,187	14170-72	14144-43	14117-18	14089-90	14064-65	6	6	36
23	14,037	14022-24	13995-96	13967-68	13940-41	13912-13	6	6	36
24	13,892	13872-74	13845-46	13818-19	13790-91	13763-64	6	6	36
25	13,738	13723-25	13695-96	13668-69	13641-42	13613-14	6	6	36
26	13,588	13566-68	13546-47	13518-19	13491-92	13464-65	6	6	36
27	13,430	13414-16	13396-97	13369-70	13341-42	13314-15	6	6	36
28	13,289	13274-76	13247-48	13219-20	13192-93	13163-64	6	6	36
29	13,140	13125-27	13097-98	13070-71	13040-41	13015-16	6	6	36
30	12,995	12975-77	12948-49	12920-21	12893-94	12865-66	6	6	36
31	12,840	12825-27	12798-99	12771-72	12743-44	12716-17	6	6	36
32	12,691	12670-72	12648-49	12621-22	12594-95	12566-67	6	6	36

Stage	Plug Depth	Perf Cluster	Perf Cluster 2	Perf Cluster	Perf Cluster	Perf Cluster 5	Total ft of Perfs	SPF	# of Holes
33	12538	12520-22	12496-97	12471-72	12444-45	12417-18	6	6	36
34	12392	12377-79	12349-50	12318-19	12294-95	12267-68	6	6	36
35	12242	12227-29	12200-01	12172-73	12145-46	12118-19	6	6	36
36	12088	12072-74	12050-51	12023-24	11995-96	11968-69	6	6	36
37	11943	11928-29	11901-02	11875-76	11846-47	11818-19	6	6	36
38	11793	11778-80	11751-52	11724-25	11700-01	11669-70	6	6	36
39	11644	11629-31	11601-02	11574-75	11547-48	11521-22	6	6	36
40	11494	11479-81	11452-53	11424-25	11397-98	11370-71	6	6	36
41	11345	11330-32	11302-03	1275-76	11244-45	11220-21	6	6	36
42	11195	11180-82	11153-54	11125-26	11098-99	11075-76	6	6	36
43	11046	11031-33	11003-04	10974-75	10948-49	10921-22	6	6	36
44	10900	10881-83	10854-55	10826-27	10799-00	10771-73	6	6	36
45	10746	10731-33	10704-05	10677-78	10649-50	10622-23	6	6	36
46	10597	10576-78	10554-55	10527-28	10500-01	10472-73	6	6	36
47	10452	10432-34	10407-08	10377-78	10350-51	10323-24	6	6	36
48	10298	10283-85	10255-56	10228-29	10200-01	10173-74	6	6	36
49	10152	10133-35	10106-07	10078-79	10048-49	10024-25	6	6	36
50	9999	9984-86	9956-57	9929-30	9901-02	9872-73	6	6	36
51	9849	9834-36	9807-08	9779-80	9752-53	9724-25	6	6	36
52	9705	9684-86	9654-55	9630-31	9602-03	9575-76	6	6	36
53	9550	9535-37	9507-08	9483-84	9453-54	9425-26	6	6	36
54	9400	9384-85	9358-59	9330-31	9305-06	9276-77	6	6	36
55	9248	9230-32	9206-07	9181-82	9153-54	9128-29	6	6	36
56	9101	9086-88	9059-60	9028-29	9004-05	8977-78	6	6	36
57	8952	8937-39	8909-10	8882-83	8858-59	8827-28	6	6	36
58	8798	8780-82	8758-59	8732-33	8705-06	8677-78	6	6	36
59	8652	8637-39	8610-11	8578-79	8555-56	8528-29	6	6	36
60	8503	8488-90	8460-61	8433-34	8410-11	8378-79	6	6	36
61	8350	8334-36	8309-10	8283-84	8256-57	8230-31	6	6	36
62	8204	8189-91	8161-62	8130-31	8106-07	8079-80	6	6	36
63	8054	8039-41	8012-13	7984-85	7960-61	7930-31	6	6	36
64	7902	7884-86	7862-63	7835-36	7807-08	7782-83	6	6	36

148' Avg Stage Length

Frac Stimulation

Total Fluid:	301,094 bbls
Total Sand:	25,600,873 lbs 40/70
	lbs 30/45 white
	lbs 20/40 resin
25,600,873 lbs	
2697 lbs/ft	

Completion Notes

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Production Csg @ 17246'

MD	17,260
TVD	6,906

9 5/8" csg @
1556' (1° incl)

EOT @ 7778' (incl)

KOP - 7100

63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 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