

WELL NAME:	Winder South 1					OPERATOR:	Extraction Oil & Gas	
FIELD:	Wattenberg					FORMATION:	Niobrara	
SHL:	qtr-qtr	SENE	Section 9	Township 6N	Range 67W			
BHL:	qtr-qtr	SWNW	Section 8	Township 6N	Range 67W			
COUNTY:	Weld		STATE:	CO		API:	05-123-43402-00	

SURFACE CASING

SIZE:	9 5/8"
WEIGHT:	J-55
GRADE:	36#
CONNECTION:	LTC
HOLE DEPTH:	1,532
CSG DEPTH:	1,530
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:	16,960
CSG DEPTH:	16,806
CEMENT:	75 sx 11.5#
	2100x 13.2#
TOC:	130
HOLE SIZE:	7 7/8"
HARDLINE:	7,209
LATERAL LENGTH:	9,751

GROUND LEVEL:	4796
KELLY BUSHING:	25.0'
SPUD DATE:	8/10/2016
COMP DATE:	2/22/2017

TIE-BACK STRING

SIZE:	
WEIGHT:	
GRADE:	
CONNECTION:	
CSG DEPTH:	

PRODUCTION TUBING

SIZE:	2 3/8"
WEIGHT:	4.7#
GRADE:	L-80
DEPTH:	7,151
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	16,756						0	0	TOE
2	16,721	16721-23	16693-94	16666-67	16638-39	16610-11	6	6	36
3	16,572	16572-74	16542-43	16515-16	16487-88	16459-60	6	6	36
4	16,439	16419-21	16395-96	16364-65	16336-37	16308-09	6	6	36
5	16,283	16268-70	16241-42	16216-17	16185-86	16157-58	6	6	36
6	16,132	16117-19	16090-91	16062-63	16036-37	16007-08	6	6	36
7	15,981	15966-68	15936-37	15911-12	15883-84	15856-57	6	6	36
8	15,830	15815-17	15788-89	15755-56	15732-33	15705-06	6	6	36
9	15,680	15665-67	15637-38	15609-10	15578-79	15554-55	6	6	36
10	15,529	15514-16	15486-87	15458-59	15431-32	15408-09	6	6	36
11	15,378	15363-65	15335-36	15307-08	15280-81	15252-53	6	6	36
12	15,227	15212-14	15184-85	15156-57	15129-30	15101-02	6	6	36
13	15,076	15061-63	15033-34	15005-06	14978-79	14950-51	6	6	36
14	14,925	14905-07	14882-83	14855-56	14827-28	14799-00	6	6	36
15	14,781	14759-61	14735-36	14704-05	14676-77	14648-49	6	6	36
16	14,623	14608-10	14580-81	14555-56	14525-26	14497-98	6	6	36
17	14,472	14457-59	14429-30	14402-03	14369-70	14346-47	6	6	36
18	14,321	14306-08	14278-79	14251-52	14223-24	14198-99	6	6	36
19	14,170	14155-57	14128-29	14097-98	14072-73	14045-46	6	6	36
20	14,019	14004-06	13977-78	13949-50	13916-17	13894-95	6	6	36
21	13,869	13854-56	13826-27	13798-99	13770-71	13749-50	6	6	36
22	13,718	13703-05	13675-76	13647-48	13620-21	13592-93	6	6	36
23	13,570	13552-54	13524-25	13496-97	13469-70	13441-42	6	6	36
24	13,416	13401-03	13373-74	13345-46	13318-19	13290-91	6	6	36
25	13,265	13248-50	13222-23	13194-95	13167-68	13139-40	6	6	36
26	13,106	13090-92	13066-67	13044-45	13016-17	12988-89	6	6	36
27	12,963	12948-50	12920-21	12895-96	12865-66	12837-38	6	6	36
28	12,812	12793-95	12769-70	12742-43	12714-15	12686-87	6	6	36
29	12,660	12644-46	12615-16	12591-92	12563-64	12535-36	6	6	36
30	12,510	12495-97	12468-69	12445-46	12412-13	12384-85	6	6	36
31	12,359	12344-46	12317-18	12289-90	12264-65	12234-35	6	6	36
32	12,208	12193-95	12166-67	12138-39	12110-11	12083-84	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	12057	12042-44	12015-16	11987-88	11959-60	11932-33	6	6	36
34	11907	11892-94	11864-65	11836-37	11806-07	11781-82	6	6	36
35	11756	11741-43	11713-14	11685-86	11658-59	11627-28	6	6	36
36	11605	10159-61	11562-63	11534-35	11507-08	11479-80	6	6	36
37	11462	11439-41	11413-14	11383-84	11356-57	11328-39	6	6	36
38	11303	11288-90	11260-61	11232-33	11205-06	11177-78	6	6	36
39	11152	11134-36	11109-10	11082-83	11055-56	11026-27	6	6	36
40	11001	10986-88	10955-56	10931-32	10903-04	10875-76	6	6	36
41	10850	10835-37	10807-08	10784-85	10752-53	10724-25	6	6	36
42	10699	10684-86	10656-57	10629-30	10604-05	10573-74	6	6	36
43	10548	10533-35	10504-05	10478-79	10450-51	10424-25	6	6	36
44	10397	10382-84	10355-56	10325-26	10299-00	10272-73	6	6	36
45	10250	10231-33	10204-05	10176-77	10145-46	10121-22	6	6	36
46	10095	10080-82	10053-54	10025-26	9997-98	9975-76	6	6	36
47	9950	9931-33	9902-03	9874-75	9846-47	9819-20	6	6	36
48	9800	9779-81	9751-52	9723-24	9695-96	9668-69	6	6	36
49	9643	9628-30	9600-01	9572-73	9545-46	9515-16	6	6	36
50	9496	9480-82	9449-50	9421-22	9394-95	9366-67	6	6	36
51	9337	9322-24	9300-01	9271-72	9243-44	9215-16	6	6	36
52	9190	9175-77	9147-48	9123-24	9092-93	9064-65	6	6	36
53	9039	9024-26	8996-97	8969-70	8943-44	8913-14	6	6	36
54	8884	8868-70	8843-44	8818-19	8790-91	8763-64	6	6	36
55	8737	8722-24	8695-96	8664-65	8639-40	8611-12	6	6	36
56	8589	8571-73	8544-45	8516-17	8493-94	8461-62	6	6	36
57	8435	8420-22	8393-94	8367-68	8337-38	8310-11	6	6	36
58	8284	8267-69	8242-43	8214-15	8186-87	8159-60	6	6	36
59	8132	8117-19	8087-88	8063-64	8035-36	8008-09	6	6	36
60	7983	7968-70	7940-41	7910-11	7885-86	7857-58	6	6	36
61	7832	7817-19	7789-90	7761-62	7738-39	7706-07	6	6	36
62	7681	7666-68	7638-39	7610-11	7583-84	7559-60	6	6	36
63	7530	7515-17	7487-88	7459-60	7432-33	7404-05	6	6	36
64	7379	7364-66	7336-67	7309-10	7285-86	7253-54	6	6	36

152' Avg Stage Length

Frac Stimulation

Total Fluid:	293,376	bbls
Total Sand:	25,600,311	lbs 40/70
		lbs 30/45 white
		lbs 20/40 resin
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	25,600,311	lbs
	2625	lbs/ft

Completion Notes

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Production Csg @ 16806'

MD	16,960
TVD	7,044

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