

WELL NAME:	Winder South 2					OPERATOR:	Extraction Oil & Gas	
FIELD:	Wattenberg					FORMATION:	Codell	
SHL:	qtr-qtr	SENE	Section	9	Township	6N	Range	67W
BHL:	qtr-qtr	NWSW	Section	8	Township	6N	Range	67W
COUNTY:	Weld		STATE:	CO		API:	05-123-43404-00	

SURFACE CASING

SIZE:	9 5/8"
WEIGHT:	J-55
GRADE:	36#
CONNECTION:	LTC
HOLE DEPTH:	1,559
CSG DEPTH:	1,557
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:	17,075
CSG DEPTH:	17,052
CEMENT:	75 sx 11.5#
	2100x 13.2#
TOC:	95
HOLE SIZE:	7 7/8"
HARDLINE:	7,574
LATERAL LENGTH:	9,501

GROUND LEVEL:	4796
KELLY BUSHING:	25.0'
SPUD DATE:	8/13/2016
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:	7,491
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	Stage Length	Fluid (bbl)	Sand (lbs)
1	17,003						0	0	TOE	92		
2	16,983	16968-70	16930-31	16892-93	16854-55	16816-17	6	6	36	200		
3	16,783	16768-70	16730-31	16692-93	16654-55	16616-17	6	6	36	295		
4	16,488	16567-69	16530-31	16488-89	16455-56	16416-17	6	6	36	102		
5	16,386	16367-69	16329-30	16291-92	16253-54	16215-16	6	6	36	199		
6	16,187	16167-69	16129-30	16099-00	16053-54	16015-16	6	6	36	205		
7	15,982	15967-69	15929-30	15891-92	15853-54	15815-16	6	6	36	201		
8	15,781	15766-68	15724-25	15691-92	15653-54	15615-16	6	6	36	200		
9	15,581	15566-68	15528-29	15490-91	15452-53	15412-13	6	6	36	200		
10	15,381	15366-68	15328-29	15292-93	15252-53	15214-15	6	6	36	200		
11	15,181	15166-68	15128-29	15090-91	15052-53	15012-13	6	6	36	196		
12	14,985	14965-67	14924-25	14890-91	14852-53	14814-15	6	6	36	205		
13	14,780	14765-67	14727-28	14689-90	14651-52	14613-14	6	6	36	196		
14	14,584	14565-67	14527-28	14490-91	14451-52	14413-14	6	6	36	209		
15	14,375	14360-62	14327-28	14289-90	14251-52	14211-12	6	6	36	196		
16	14,179	14164-66	14120-21	14088-89	14051-52	14013-14	6	6	36	200		
17	13,979	13964-66	13926-27	13888-89	13850-51	13810-11	6	6	36	200		
18	13,779	13764-66	13730-31	13688-89	13650-51	13612-13	6	6	36	200		
19	13,579	13564-66	13526-27	13488-89	13450-51	13417-18	6	6	36	201		
20	13,378	13363-65	13329-30	13287-88	13249-50	13212-13	6	6	36	200		
21	13,178	13163-65	13125-26	13087-88	13049-50	13015-16	6	6	36	200		
22	12,978	12958-60	12925-26	12887-88	12849-50	12811-12	6	6	36	204		
23	12,774	12758-60	12725-26	12687-88	12645-46	12611-12	6	6	36	177		
24	12,597	12556-58	12524-25	12486-87	12448-49	12411-12	6	6	36	223		
25	12,374	12359-61	12324-25	12286-87	12252-53	12212-13	6	6	36	197		
26	12,177	12156-58	12124-25	12086-87	12048-49	12010-11	6	6	36	200		
27	11,977	11962-64	11924-25	11886-87	11844-45	11810-11	6	6	36	201		
28	11,776	11753-55	11723-24	11685-86	11647-48	11609-10	6	6	36	204		
29	11,572	11557-59	11523-24	11484-85	11447-48	11409-10	6	6	36	196		
30	11,376	11361-63	11323-24	11285-86	11247-48	11209-10	6	6	36	198		
31	11,178	11161-63	11123-24	11088-89	11047-48	11009-10	6	6	36	203		
32	10,975	10960-62	10922-23	10884-85	10846-47	10808-09	6	6	36	195		

Stage	Plug Depth	Perf Cluster	Perf Cluster 2	Perf Cluster	Perf Cluster	Perf Cluster 5	Total ft of Perfs	SPF	# of Holes	Stage Length	Fluid (bbl)	Sand (lbs)
33	10780	10760-62	10719-20	10684-85	10646-47	10608-09	6	6	36	205		
34	10575	10560-62	10522-23	10484-85	10446-47	10407-08	6	6	36	197		
35	10378	10360-62	10327-28	10284-85	10246-47	10208-09	6	6	36	204		
36	10174	10159-61	10121-22	10083-84	10045-46	10004-05	6	6	36	200		
37	9974	9959-61	9925-26	9883-84	9845-46	9807-08	6	6	36	200		
38	9774	9759-61	9721-22	9683-84	9645-46	9610-11	6	6	36	200		
39	9574	9557-59	9521-22	9483-84	9445-46	9407-08	6	6	36	201		
40	9373	9358-59	9320-21	9282-83	9242-43	9206-07	6	6	36	200		
41	9173	9152-54	9120-21	9082-83	9044-45	9006-07	6	6	36	205		
42	8968	8952-54	8920-21	8882-83	8847-48	8806-07	6	6	36	195		
43	8773	8758-60	8720-21	8682-83	8644-45	8606-07	6	6	36	204		
44	8569	8554-56	8519-20	8481-82	8447-48	8405-06	6	6	36	197		
45	8372	8357-59	8319-20	8281-82	8243-44	8205-06	6	6	36	200		
46	8172	8157-59	8119-20	8081-82	8047-48	8005-06	6	6	36	196		
47	7976	7959-61	7919-20	7881-82	7843-44	7805-06	6	6	36	192		
48	7784	7756-58	7718-19	7676-77	7644-45	7604-05	6	6	36	180		

197' Avg Stage Length

Frac Stimulation

Total Fluid:	158,136 bbls
Total Sand:	lbs 40/70
	9,600,130 lbs 30/50 white
	lbs 20/40 resin
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	9,600,130 lbs
	1010 lbs/ft

Completion Notes

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Production Csg @ 17052'

MD	17,075
TVD	7,128

9 5/8" csg @  
1557' (1° incl)

EOT @ 7491' (incl)

KOP - 6783

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