

WELL NAME:	Winder South 7					OPERATOR:	Extraction Oil & Gas	
FIELD:	Wattenberg					FORMATION:	Niobrara	
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:	05-123-43401-00	

SURFACE CASING

SIZE:	9 5/8"
WEIGHT:	J-55
GRADE:	36#
CONNECTION:	LTC
HOLE DEPTH:	1,561
CSG DEPTH:	1,559
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:	17,155
CSG DEPTH:	17,147
CEMENT:	75 sx 11.5#
	2175x 13.2#

TOC:	110
HOLE SIZE:	7 7/8"
HARDLINE:	7,634
LATERAL LENGTH:	9,521

GROUND LEVEL:	4856
KELLY BUSHING:	25.0'
SPUD DATE:	8/17/2016
COMP DATE:	2/11/2017

TIE-BACK STRING

SIZE:	
WEIGHT:	
GRADE:	
CONNECTION:	
CSG DEPTH:	

PRODUCTION TUBING

SIZE:	2 3/8"
WEIGHT:	4.7#
GRADE:	L-80
DEPTH:	7,567
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)
TOE	17,098								0	77		
2	17,078	17063-65	17035-36	17008-09	16980-81	16953-54	6	6	36	150		
3	16,928	16913-15	16885-86	16858-59	16827-27	16803-04	6	6	36	150		
4	16,778	16763-65	16735-36	16708-09	16680-81	16647-48	6	6	36	150		
5	16,628	16613-15	16585-86	16558-59	16530-31	16503-04	6	6	36	150		
6	16,478	16463-65	16435-36	16408-09	16380-81	16353-54	6	6	36	150		
7	16,328	16313-15	16285-86	16258-59	16230-31	16203-04	6	6	36	150		
8	16,178	16157-59	16135-36	16108-09	16080-81	16053-54	6	6	36	155		
9	16,023	16008-10	15980-81	15958-59	15930-31	15903-04	6	6	36	145		
10	15,878	15863-65	15835-36	15810-11	15780-81	15753-54	6	6	36	150		
11	15,728	15710-12	15685-86	15658-59	15632-33	15603-04	6	6	36	153		
12	15,575	15560-62	15535-36	15508-09	15480-81	15452-53	6	6	36	148		
13	15,427	15412-14	15385-86	15354-55	15328-29	15302-03	6	6	36	150		
14	15,277	15262-64	15235-36	15207-08	15180-81	15152-53	6	6	36	152		
15	15,125	15110-12	15082-83	15057-58	15030-31	15002-03	6	6	36	148		
16	14,977	14962-64	14935-36	14903-04	14880-81	14852-53	6	6	36	150		
17	14,827	14810-12	14785-86	14757-58	14732-33	14702-03	6	6	36	150		
18	14,677	14662-64	14632-33	14607-08	14580-81	14552-53	6	6	36	150		
19	14,527	14512-14	14485-86	14452-53	14430-31	14402-03	6	6	36	150		
20	14,377	14362-64	14335-36	14307-08	14276-77	14252-53	6	6	36	150		
21	14,227	14212-14	14185-86	14157-58	14130-31	14105-06	6	6	36	150		
22	14,077	14062-63	14035-36	14007-08	13980-81	13952-53	6	6	36	150		
23	13,927	13912-14	13884-85	13857-58	13829-30	13802-03	6	6	36	150		
24	13,777	13762-64	13734-35	13707-08	13679-80	13650-51	6	6	36	150		
25	13,627	13612-14	13584-85	13557-58	13529-30	13502-03	6	6	36	145		
26	13,482	13462-64	13435-36	13407-08	13379-80	13352-53	6	6	36	155		
27	13,327	13312-14	13284-85	13257-58	13229-30	13202-03	6	6	36	150		
28	13,177	13156-58	13134-35	13107-08	13079-80	13052-53	6	6	36	154		
29	13,023	13008-10	12978-79	12952-53	12929-30	12902-03	6	6	36	146		
30	12,877	12862-64	12834-35	12807-08	12779-80	12752-53	6	6	36	150		
31	12,727	12708-10	12684-85	12657-57	12629-30	12602-03	6	6	36	154		
32	12,573	12558-60	12528-29	12505-06	12479-80	12452-53	6	6	36	146		

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	12427	12412-14	12384-85	12360-61	12329-30	12301-02	6	6	36	151		
34	12276	12261-63	12234-35	12206-07	12180-81	12151-52	6	6	36	152		
35	12124	12109-11	12082-83	12056-57	12029-30	12001-02	6	6	36	148		
36	11976	11961-63	11934-35	11904-05	11879-80	11851-52	6	6	36	150		
37	11826	11811-13	11784-85	11756-57	11727-28	11701-02	6	6	36	150		
38	11676	11661-63	11634-35	11606-07	11579-80	11547-48	6	6	36	150		
39	11526	11511-13	11484-85	11456-57	11429-30	11401-02	6	6	36	146		
40	11380	11361-63	11334-35	11306-07	11279-80	11251-52	6	6	36	154		
41	11226	11211-13	11184-85	11156-57	11129-30	11097-98	6	6	36	150		
42	11076	11061-63	11034-35	11006-07	10979-80	10951-52	6	6	36	146		
43	10930	10911-13	10884-85	10856-57	10829-30	10801-02	6	6	36	154		
44	10776	10761-63	10733-34	10706-07	10678-79	10649-50	6	6	36	150		
45	10626	10604-06	10583-84	10556-57	10528-29	10501-02	6	6	36	146		
46	10480	10461-63	10433-34	10406-07	10378-79	10351-52	6	6	36	154		
47	10326	10311-13	10283-84	10256-57	10228-29	10201-02	6	6	36	150		
48	10176	10154-56	10133-34	10106-07	10078-79	10051-52	6	6	36	155		
49	10021	10006-08	9978-79	9951-52	9928-29	9901-02	6	6	36	145		
50	9876	9861-63	9833-34	9808-09	9778-79	9751-52	6	6	36	150		
51	9726	9708-10	9683-84	9656-57	9628-29	9601-02	6	6	36	153		
52	9573	9558-60	9530-31	9506-07	9478-79	9451-52	6	6	36	147		
53	9426	9411-13	9383-84	9360-61	9328-29	9301-02	6	6	36	150		
54	9276	9258-60	9233-34	9206-07	9181-82	9150-51	6	6	36	151		
55	9125	9110-12	9080-81	9055-56	9028-29	9000-01	6	6	36	150		
56	8975	8960-62	8933-34	8900-01	8878-79	8850-51	6	6	36	150		
57	8825	8810-12	8783-84	8755-56	8722-23	8700-01	6	6	36	150		
58	8675	8660-62	8633-34	8605-06	8578-79	8555-56	6	6	36	150		
59	8525	8510-12	8483-84	8454-55	8428-29	8400-01	6	6	36	150		
60	8375	8360-62	8333-34	8305-06	8273-74	8250-51	6	6	36	150		
61	8225	8210-12	8183-84	8155-56	8128-29	8104-05	6	6	36	150		
62	8075	8060-62	8033-34	8005-06	7978-79	7950-51	6	6	36	150		
63	7925	7910-12	7883-84	7855-56	7826-27	7800-01	6	6	36	150		
64	7775	7760-62	7733-34	7705-06	7678-79	7650-51	6	6	36	125		

149' Avg Stage Length

Frac Stimulation

Total Fluid:	311,827 bbls
Total Sand:	25,600,507 lbs 40/70
	lbs 30/45 white
	lbs 20/40 resin
25,600,507 lbs	
2689 lbs/ft	

Completion Notes

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Production Csg @ 17147'

MD	17,155
TVD	6,999

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