White Rock Oil & Gas, LLC

Candee 1H SWD Wellbore Design

CASING PROGRAM								
SECTION	*DEPTH*	*HOLE*	*OD*	*WT*	*GRADE*	*THREAD*	*CONDT.*	*INSPECT.*
Surface	0 - 1,300	13-1/2"	9-5/8"	36	J-55	STC	NEW	X
Intermediate	0 - 7,500	8-3/4"	7"	26	J-55	LTC	NEW	X

CASING DESIGN PARAMETERS								
SIZE	*INTERVAL*	*WT*	*COLLAPSE*		*BURST*		*TENSION*	
			(psi)	*Coeff*	*(psi)*	*Coeff*	*(1k-lbs)*	*Coeff*
9-5/8"	0 - 1,300	36	2,020	2.30	3,520	4.01	394.00	9.68
7"	0 - 7,500	26	4,320	1.24	4,980	1.43	367.00	2.74

CEMENT PROGRAM							
SECTION	*INTERVAL*	*STAGE*	*SACKS*	*CEMENT SYSTEM*	*YIELD*	*WEIGHT*
Surface	0 - 800	LEAD	270	ASTM Type III + Accelerator + LCM	2.9	11.5
	800 - 1,300	TAIL	248	ASTM Type III + Accelerator + LCM	1.97	13
Intermediate	0 4,440	LEAD	334	ASTM Type III + Accelerator + LCM	2.53	12
	4,440 5,440	TAIL	322	ASTM Type III + Accelerator + LCM	1.78	14

CENTRALIZATION PROGRAM	
SECTION	*CENTRALIZERS*
Conductor	None
Surface	1 bow spring on first three jts & 1 bowspring every 4th jt to surface
Intermediate	1 bow spring on first three jts & 1 bowspring every other jt to surface
Production	

MUD PROGRAM					
SECTION	*INTERVAL*	*MUD TYPE*	*WEIGHT*	*PV*	*FL*
Surface	0 - 1,300	Native/Lime Sweeps	8.4 - 8.8	n/a	n/a
Intermediate	0 - 7,500	80/20 Invert	10.0 - 10.2	20 - 25	< 10 cc

All cuttings will be contained, treated, and disposed at TBD
Any residual fluids will be diposed at TBD

LOGGING PROGRAM
Plan to run TCOM on other Bakken well on pad + MWD-GR 7" Production casing TD to surface CBL-GR

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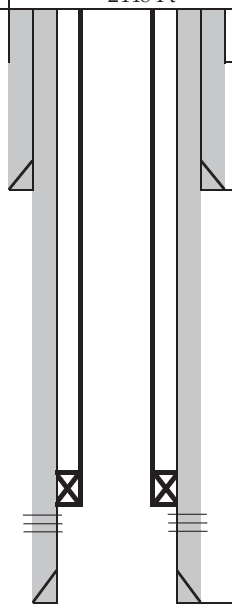
WELLBORE DIAGRAM

WELL NAME:	Candee 1H SWD			**AFE:**	Candee
PAD NAME:	Candee Pad			**TD:**	7,500'
COUNTY:	Richland	**STATE:**	MT	**DATE:**	4/28/2025
SPACING UNIT:	SWD			**FIELD:**	Wildcat
SHL:	459 FNL 2588 FEL Sec 6-T24-R53		**BHL:**	459 FNL 470 FWL Sec 6-T24-R53	
GL:	2422 Ft				
KB:	26 Ft				
RKB:	2448 Ft				



Hole, Casing, Cement	MD	Formation Tops	Completion Data	Mud Properties/ Logging Surveys
26" Hole 20" Conductor Casing	80			
13-1/2" Hole	80			Native/Lime Sweeps MW: 8.4-8.8 ppg
	1100	Pierre		MWD Survey
9-5/8" 36# J-55 LTC	1300	Surface TD		
8-3/4" Hole				80/20 Invert MW: 9.3-11.0 ppg FV: 35-50 sec FL: 20-25 cc's
			4-1/2" IPC 11.6# LTC	
	4600		AS1X Nickel Plated Packer	MWD Survey
	5100		Top Perfs (Gross)	
	7500		Bottom Perfs (Gross)	
7" 26# J-55 LTC	7500	Total Depth	1 SPF	

Stimulation
12,000 gal 15% HCl
Est. 6,000# Rock Salt Diversion
Est. Treat Rate - 10 BPM
Est. Treat Max Pres - 5,000 PSIG