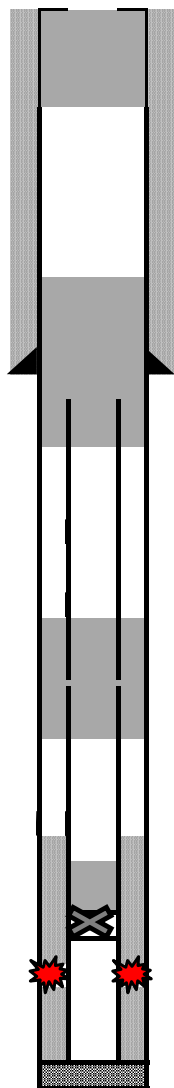


WELL NAME:	<b>Catherine 3</b>			FIELD:	<b>Champion</b>	
QTR QTR:	<b>NESW</b>	SEC:	<b>36</b>	TWN:	<b>12N</b>	RNG: <b>55W</b>
COUNTY:	<b>Logan</b>	ST:	<b>CO</b>	API:	<b>05-075-09334</b>	
KB:	<b>17'</b>	GL:	<b>4533'</b>	TD:	<b>5853'</b>	
Revised:11/5/18			<b>Actual Wellbore Diagram</b>			

#### CASING DETAILS

PURPOSE	HOLE SIZE	CASING SIZE	WEIGHT	SET DEPTH	CMT	CMT TOP
SURFACE	12 3/4"	8 5/8"	24#	503'	385 sks	0'
PRODUCTION	7 7/8"	4 1/2"	11.6#	5849'	200 sks	5000'



15 sks @ surface  
45' to surface

503' Surface setting depth

50 sks from 428' to 578'  
1/2 in 1/2 out  
558' Cut off and pulled Casing

Stub plug from 1866' to 2134'  
20 sks cement  
2000' Squeeze Perf 3 shots

TOC ~5000' Calc

CIBP @ 5700' w/ 10 sks Cement

Jsand Perf Intervals 5751'-5772'

Prod. Csg 5849  
TD: 5853'