API:	**05-123-22294**	**CREATED BY:**	**A.SIMMONS**	**DATE:**	**Feb 15, 2024**
WELL NAME:	**MARCUS STATE W 36-6J**	**ELEVATION:**	**5078**	**QTRQTR:**	**SENW**
COUNTY:	**WELD**	**GROUND LEVEL:**	**5068**	**SEC:**	**36**
LATITUDE:	**40.096068**	**MD:**	**8081**	**TWN:**	**2N**
LONGITUDE:	**-104.72842**	**PBMD:**	**8056**	**RNG:**	**66W**

Existing — DATUM: RKB, KB=10' — **Proposed**

Hole Size/Depth 12-1/4" / 1070'

90 sx
1.21 yld
cmt to surface

Deepest water well in 1 mile - 900'

300'

690 Sx Cmt

Surface Casing 8-5/8", 24#, J-55 set @ 1061'

410 sx
1.21 yld
1011' TOC

1930' Cut casing
1980' BOC

Upper Pierre Aquifer Base 2029'

1.21 yld
45 sx
In Csg
2130' TOC in csg
2130' TOC behind csg

145 sx
Sqz'd
2730' Perfs/BOC

1.19 yld
40 sx
In Csg
4365' TOC in csg
4365' TOC behind csg

Sussex Productive in 1 mile
Top 4567'
Base 4805'

135 sx
Sqz'd
4905' Perfs/BOC

Shannon Base Absent

TOC (from CBL) 6650'

10 sx
7075' TOC in csg

Niobrara Top 7191'

7200'

90 sx
7230' Perfs/BOC

2 sx

7950'

J Sand Perfs 7982' - 8004'

240 Sx Cmt

Production Casing 4-1/2", 11.6#, M-80 set @ 8071'

Hole Size/Depth 7-7/8" / 8081'

New Cement
Existing Cement
New CICR
Existing CICR
New CIBP
Existing CIBP
Treated Water
Brine
Mud
Sand Plug