

OPERATOR: K.P. Kauffman Company Inc.

WELL: GRANT #4

FIELD: SPINDLE

API # 05-123-09309

LEASE #:

UIC #:

CNTY: FREDERICK/WELF FTG: _____

STATE: CO

SPUD: 11/1/1977

COMP: 5/9/1978

STATUS: SI

WBD DATE: 10/19/2022

Q-Q: NWNE

SEC.: 26

TWS: 2N

RGE: 68W

BY: _____

CURRENT WELLBORE DIAGRAM

KBE: 4935 '

KB: 10 '

GLE: 4925 '

TD (ft): 5015 '

PBTD 4800 '

TOC @ 21 '

Calc Assuming 1.15 yield

12.25" Hole

8.625" 24# Csg @ 214 '

Cmtd w/200 sxs

STAGE TOOL @ 761 '

Cmtd w/ 150 sxs

TOC @ 3246 '

Calc Assuming 1.15 yield

7.875" Hole

4.5" 10.5# Csg @ 5013 '

Cmtd w/350 sxs

SUSSEX Perfs
4479'-4497'

SHANNON Perfs
4900'-4918'

PBTD 4800 '

TD (ft): 5015 '

CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)
<u>12 1/4</u>	<u>8 5/8</u>	<u>24</u>		<u>0</u>	<u>214</u>
<u>7 7/8</u>	<u>4 1/2</u>	<u>10.5</u>		<u>0</u>	<u>5013</u>

TUBING RECORD

SIZE (in)	WT (lb/ft)	GRADE	JOINTS	BTM (ft)

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	HOLES	STAGE	STATUS
<u>SUSSEX</u>	<u>4479</u>	<u>4497</u>	<u>19</u>		
<u>SHANNON</u>	<u>4900</u>	<u>4918</u>	<u>19</u>		